APPENDIX C
ABRIDGED LIST OF WATERSHED HEALTH AND SALMON RECOVERY DATABASES REPORTED—PUGET SOUND BASIN (WRIAS 1-19)

Comprehensive Monitoring Survey Results

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Conservation Commission**
Database	**Statewide Salmon Habitat Limiting Factors Analysis**
Database acronym	LFA
Contact	Ed Manary - 360-407-6236 - eman461@ecy.wa.gov
Overview of the monitoring program	ID habitat problems that are preventing natural spawning salmon populations from reaching their full potential.
Audience/customer/user	All parties interested in Salmon Habitat Restoration.
Objectives	ID those habitat factors limiting the production of naturally spawning salmon. Provide the information to all interested parties.
Authority	Title 77 RCW; Engrossed Substitute House Bill 2496; Section 10 (1998)
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Coarse Inventory; Effectiveness
Primary geographic focus	Select WRIAs
Geospatially referenced?	Partially
Salmon Recovery Region(s)	Lower Columbia; Middle Columbia; NE Washington; Puget Sound; Snake River; Upper Columbia; Washington Coast
Frequency of sample collection	Varies
Number of years data collected	Varies
Data content	Freshwater Surface Water Quality; Hydrology; Instream Habitat; Land Use; Marine/Estuarine Water Quality; Predation Of Salmonids; Riparian Habitat; Salmonid Passage; Salmonid Productivity; Waterway and Channel Modification
Other data	
Rate data quality/condition (0-18)	15
Rate design, scope, implementation (0-15)	15
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email; Web Viewable; Web Downloadable www.conserver.org/salmon/reports/index.shtml
Data contact person	Ed Manary - 360-407-6236 - eman461@ecy.wa.gov
How often do you analyze, summarize, compile raw data?	As Needed; As Resources Permit
Report/publish data?	As Needed; As Resources Permit
Analyzed/summarized data made available?	Web Downloadable; Web Viewable www.conserver.org/salmon/reports/index.shtml
Rely on data from others?	Yes
Data readily available on maps?	Yes
Data exist as GIS coverage?	Yes
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Washington State Department of Ecology**
Database	**Long-term Freshwater River and Stream Ambient Monitoring Program**
Database acronym	
Contact	Rob Plotnikoff - 360-407-6687 - rplo461@ecy.wa.gov
Overview of the monitoring program	To assess water quality of fresh water rivers and streams in the State of Washington.
Audience/customer/user	The public, legislature, state, federal, and local officials, private consultants, scientists from government, private and academic institutions
Objectives	Characterize spatial and temporal patterns of water quality; assess where water quality may indicate change or emerging problems; provide and maintain long-term freshwater quality database.
Authority	RCW 90.48.260; 90.70.055; 90.70.060; 90.70.065
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Coarse Inventory; Effectiveness; Status Monitoring
Primary geographic focus	Statewide
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Lower Columbia; Middle Columbia; NE Washington; Non Salmon Recovery Areas; Puget Sound; Snake River; Upper Columbia; Washington Coast
Frequency of sample collection	Monthly
Number of years data collected	More than 5
Data content	Biological - other; Freshwater Surface Water Quality; Instream Habitat
Other data	
Rate data quality/condition (0-18)	17
Rate design, scope, implementation (0-15)	11
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email; Web Downloadable; Web Requested; Web Viewable www.ecy.wa.gov/programs/eap/fw_riv/rv_main.html www.ecy.wa.gov/pubs.shtm
Data contact person	Rob Plotnikoff - 360-407-6687 - rplo461@ecy.wa.gov
How often do you analyze, summarize, compile raw data?	Annually; Monthly
Report/publish data?	Annually; Monthly
Analyzed/summarized data made available?	Email; Web Downloadable; Web Requested; Web Viewable www.ecy.wa.gov/programs/eap/fw_riv/rv_main.html www.ecy.wa.gov/pubs.shtm
Rely on data from others?	No
Data readily available on maps?	Yes
Data exist as GIS coverage?	Yes
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Washington State Department of Ecology**
Database	**Marine Waters Monitoring for Puget Sound Ambient Monitoring Program**
Database acronym	MWM - PSAMP
Contact	Jan Newton - 360-407-6675 - jnew461@ecy.wa.gov
Overview of the monitoring program	To assess water quality of marine waters in the State of Washington.
Audience/customer/user	The public; scientists from government, private and academic institutions.
Objectives	Characterize spatial and temporal patterns of marine water quality; assess where water quality may indicate change or emerging problems; provide and maintain long-term marine database.
Authority	RCW 90.48.260; 90.70.055; 90.70.060; 90.70.065
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Coarse Inventory; Status Monitoring
Primary geographic focus	Marine Waters; Statewide
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Puget Sound; Washington Coast
Frequency of sample collection	Monthly
Number of years data collected	More than 5
Data content	Biological – other; Climate and Ocean Conditions; Marine/Estuarine Water Quality
Other data	
Rate data quality/condition (0-18)	14
Rate design, scope, implementation (0-15)	11
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email; Web Downloadable; Web Requested; Web Viewable www.ecy.wa.gov/programs/eap/mar_wat/mwm_intr.html www.ecy.wa.gov/pubs.shtm
Data contact person	Jan Newton - 360-407-6675 - jnew461@ecy.wa.gov
How often do you analyze, summarize, compile raw data?	As Needed; As Resources Permit; Every 2 Yrs; Monthly
Report/publish data?	As Resources Permit; Every 2 Yrs
Analyzed/summarized data made available?	Email; Web Downloadable; Web Requested; Web Viewable www.ecy.wa.gov/programs/eap/mar_wat/mwm_intr.html www.ecy.wa.gov/pubs.shtm
Rely on data from others?	No
Data readily available on maps?	Yes
Data exist as GIS coverage?	Yes
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Washington State Department of Ecology**
Database	**Nonpoint Source Pollution Studies**
Database acronym	NPS Studies
Contact	Will Kendra - 360-407-6698 - wken461@ecy.wa.gov
Overview of the monitoring program	Monitor and assess effects of nonpoint source pollution on surface and ground waters statewide.
Audience/customer/user	Citizens and their legislative representatives, state and local government officials, business and environmental interest groups, tribes, and US Environmental Protection Agency.
Objectives	Monitor environmental fate of pollutants discharged from nonpoint sources (urban, agriculture, and forest land runoff); recommend management strategies for nonpoint source pollution control.
Authority	RCW 90.48.260; RCW 90.54.030; USC 33.1254
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Effectiveness; Status Monitoring
Primary geographic focus	Statewide
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Lower Columbia; Middle Columbia; NE Washington; Non Salmon Recovery Areas; Puget Sound; Snake River; Upper Columbia; Washington Coast
Frequency of sample collection	Episodic
Number of years data collected	Varies
Data content	Freshwater Surface Water Quality; Ground Water Quality/Quantity
Other data	
Rate data quality/condition (0-18)	13
Rate design, scope, implementation (0-15)	11
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email; Hard Copy; Web Downloadable www.ecy.wa.gov/pubs.shtm
Data contact person	Darrel Anderson - 360-407-6453 - dand461@ecy.wa.gov
How often do you analyze, summarize, compile raw data?	As Needed
Report/publish data?	As Needed
Analyzed/summarized data made available?	Email; Hard Copy; Web Downloadable www.ecy.wa.gov/pubs.shtm
Rely on data from others?	Yes
Data readily available on maps?	No
Data exist as GIS coverage?	No
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Washington State Department of Ecology**
Database	**Puget Sound Ambient Monitoring Program – Sediment Component**
Database acronym	PSAMP - Sed
Contact	Maggie Dutch - 360-407-6021 - mdut461@ecy.wa.gov
Overview of the monitoring program	The purpose of the PSAMP Sediment Component work is to characterize spatial and temporal trends in the condition of the sediments of Puget Sound via analysis of sediment chemistry, toxicity, and infaunal benthic community composition.
Audience/customer/user	All users of Puget Sound sediment data.
Objectives	Assess the health of Puget Sound and its resources and document geographic patterns in the condition of the Sound and its resources; document natural and human-caused changes over time in the ecological components of Puget Sound; through ongoing monitoring programs identify existing environmental problems and, where possible, identify the reasons for these problems; provide data and other information to assist the Puget Sound Action Team and others in measuring the success of environmental programs; support research activities by making available scientifically valid data.
Authority	RCW 90.48.260; 90.70.055; 90.70.060; 90.70.065; 43.21A.660; 90.48.420; 90.48.465; 77.85.210; 90.82.140
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Status Monitoring
Primary geographic focus	Marine Waters
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Annually
Number of years data collected	More than 5
Data content	Marine/Estuarine Water Quality
Other data	
Rate data quality/condition (0-18)	15
Rate design, scope, implementation (0-15)	11
Charge money for the data?	Sometimes
Data sensitive or proprietary?	No
Raw data made available?	Email; Web Downloadable; Web Requested; Web Viewable www.ecy.wa.gov/programs/eap/mar_sed/msm_intr.html www.ecy.wa.gov/pubs.shtm
Data contact person	Sandra Aasen - 360-407-6980 - sgei461@ecy.wa.gov
How often do you analyze, summarize, compile raw data?	Annually; As Needed; As Resources Permit; Varies
Report/publish data?	Annually; As Needed; As Resources Permit; Varies
Analyzed/summarized data made available?	Email; Web Downloadable; Web Requested; Web Viewable www.ecy.wa.gov/programs/eap/mar_sed/msm_intr.html www.ecy.wa.gov/pubs.shtm
Rely on data from others?	Yes
Data readily available on maps?	Partial
Data exist as GIS coverage?	Unknown
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Washington State Department of Ecology**
Database	**Stream Flow Monitoring Program**
Database acronym	
Contact	Brad Hopkins - 360-407-6686 - bhop461@ecy.wa.gov
Overview of the monitoring program	To measure stream flow in fresh water rivers and streams in the State of Washington.
Audience/customer/user	The public, legislature, state, federal and local officials, private consultants, scientists from government, private, and academic institutions.
Objectives	Measure and evaluate seasonal and long-term (inter-annual) temporal patterns in stream flow for salmon recovery and watershed planning purposes; compare actual stream flows to in-stream flow targets; provide near real-time stream flow data via the Web to improve knowledge of stream flows and facilitate near real-time decision making in regard to stream flow management; support TMDL development and implementation, and provide data to inform water quality assessments including determination of water quality violations.
Authority	RCW 90.48.260; 90.70.055; 90.70.060; 90.70.065 ESSB 6153
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Coarse Inventory; Effectiveness; Status Monitoring
Primary geographic focus	Statewide
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Lower Columbia; Middle Columbia; NE Washington; Non Salmon Recovery Areas; Puget Sound; Snake River; Upper Columbia; Washington Coast
Frequency of sample collection	Continuous
Number of years data collected	More than 5
Data content	Hydrology
Other data	
Rate data quality/condition (0-18)	13
Rate design, scope, implementation (0-15)	10
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email; Web Downloadable; Web Requested; Web Viewable www.ecy.wa.gov/programs/eap/flow/shu_main.html www.ecy.wa.gov/pubs.shtm
Data contact person	Brad Hopkins - 360-407-6686 - bhop461@ecy.wa.gov
How often do you analyze, summarize, compile raw data?	Annually; As Needed; Daily; Monthly
Report/publish data?	Annually; Daily
Analyzed/summarized data made available?	Email; Web Downloadable; Web Requested; Web Viewable www.ecy.wa.gov/programs/eap/flow/shu_main.html www.ecy.wa.gov/pubs.shtm
Rely on data from others?	No
Data readily available on maps?	Partial
Data exist as GIS coverage?	Yes
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Washington State Department of Ecology**
Database	**Total Maximum Daily Load Studies**
Database acronym	TMDL Studies
Contact	Will Kendra - 360-407-6698 - wken461@ecy.wa.gov
Overview of the monitoring program	Monitor and assess state surface waters to determine pollutant load reductions needed to achieve compliance with state water quality standards.
Audience/customer/user	Citizens and their legislative representatives, state and local government officials, business and environmental interest groups, tribes, and US Environmental Protection Agency.
Objectives	Monitor pollutant loading and fate in impaired surface waters; estimate assimilative capacity of receiving waters for pollutant loading; recommend pollutant load reductions needed to achieve water quality standards.
Authority	RCW 90.48.260; USC 33.1313
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Effectiveness
Primary geographic focus	Statewide
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Lower Columbia; Middle Columbia; NE Washington; Non Salmon Recovery Areas; Puget Sound; Upper Columbia; Washington Coast
Frequency of sample collection	Episodic
Number of years data collected	Varies
Data content	Freshwater Surface Water Quality; Marine/Estuarine Water Quality
Other data	
Rate data quality/condition (0-18)	14
Rate design, scope, implementation (0-15)	12
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email; Hard Copy; Web Downloadable www.ecy.wa.gov/pubs.shtm
Data contact person	Will Kendra - 360-407-6698 - wken461@ecy.wa.gov
How often do you analyze, summarize, compile raw data?	As Needed
Report/publish data?	As Needed
Analyzed/summarized data made available?	Email; Hard Copy; Web Downloadable www.ecy.wa.gov/pubs.shtm
Rely on data from others?	Yes
Data readily available on maps?	No
Data exist as GIS coverage?	No
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Washington State Department of Ecology**
Database	**Toxic Pollution Studies**
Database acronym	
Contact	Will Kendra - 360-407-6698 - wken461@ecy.wa.gov
Overview of the monitoring program	Monitor and assess water, sediment, soil, and fish/shellfish tissue statewide to determine toxic pollutant burdens.
Audience/customer/user	Citizens and their legislative representatives, state and local government officials, business and environmental interest groups, tribes, and US Environmental Protection Agency.
Objectives	Monitor source and environmental fate of toxicants released into the environment; recommend management strategies for toxic pollution control.
Authority	RCW 90.48.260; USC 33.1254
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Effectiveness; Status Monitoring
Primary geographic focus	Statewide
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Lower Columbia; Middle Columbia; NE Washington; Non Salmon Recovery Areas; Puget Sound; Snake River; Upper Columbia; Washington Coast
Frequency of sample collection	Episodic
Number of years data collected	Varies
Data content	Freshwater Surface Water Quality; Marine/Estuarine Water Quality
Other data	
Rate data quality/condition (0-18)	14
Rate design, scope, implementation (0-15)	12
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email; Hard Copy; Web Downloadable www.ecy.wa.gov/pubs.shtm
Data contact person	Dale Norton - 360-407-6765 - dnor461@ecy.wa.gov
How often do you analyze, summarize, compile raw data?	As Needed
Report/publish data?	As Needed
Analyzed/summarized data made available?	Email; Hard Copy; Web Downloadable www.ecy.wa.gov/pubs.shtm
Rely on data from others?	Yes
Data readily available on maps?	No
Data exist as GIS coverage?	No
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Washington State Department of Ecology**
Database	**Well Log Imaging System (Intranet/Web Access to Well Log Data and Images)**
Database acronym	
Contact	Ed Young - 360-407-6644 - eyou461@ecy.wa.gov
Overview of the monitoring program	This system provides ways to search for, find, view, print, send and save water well reports and images. Both GIS navigation and text search pages are built in. They produce lists of well logs within user-defined geographic areas or according to user-defined search criteria (including geographic, depth, diameter, township, section range, address, well tag ID, etc.) Users can view the images of well reports and see the geographic location of the well on the map. The system includes the ability to input new well log data and images and modify existing ones. The user does everything through the web browser using a common look and feel. Updates can be done from each of four regional offices and from headquarters at scan stations. The updates are instantly available statewide from any PC on the Ecology wide area network.
Audience/customer/user	The initial audience is Ecology staff statewide via Wide Area Network. The next phase will allow internet access to a wide audience of users.
Objectives	Provide on-line Intranet Web access to all available well log data and images via the web. The next phase is to provide Internet access and additional feature enhancements. The greatest need is funding for data cleaning so the information is not only the most accurate available, but also capable of integrating with other agency and regional well monitoring systems.
Authority	RCW 18.104.050
Relates to watershed health and salmon recovery	Indirectly Supports
Program ongoing?	Yes
Type of monitoring	Coarse Inventory
Primary geographic focus	Statewide
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Lower Columbia; Middle Columbia; NE Washington; Non Salmon Recovery Areas; Puget Sound; Snake River; Upper Columbia; Washington Coast
Frequency of sample collection	Continuous
Number of years data collected	More than 5
Data content	Ground Water Quality/Quantity
Other data	
Rate data quality/condition (0-18)	15
Rate design, scope, implementation (0-15)	10
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email http://aww.ads/welllog/
Data contact person	Ed Young - 360-407-6644 - eyou461@ecy.wa.gov
How often do you analyze, summarize, compile raw data?	
Report/publish data?	As Needed
Analyzed/summarized data made available?	
Rely on data from others?	Yes
Data readily available on maps?	Yes
Data exist as GIS coverage?	Yes
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Washington State Department of Fish and Wildlife**
Database	**Commercial Fish Tickets**
Database acronym	LIFT
Contact	Lee Hoines - 360-902-2310 - Hoineljh@dfw.wa.gov
Overview of the monitoring program	All commercial fishery products landed in the State of Washington.
Audience/customer/user	Users of commercial fish harvest numbers, fishing effort, species composition, fishery value data.
Objectives	Capture information related to all commercial harvest of food fish and/or shellfish landed in the state.
Authority	Other; RCW/WAC; Tribal
Relates to watershed health and salmon recovery	Indirectly Supports
Program ongoing?	Yes
Type of monitoring	Unknown
Primary geographic focus	Multi-State/International
Geospatially referenced?	No
Salmon Recovery Region(s)	Lower Columbia; Middle Columbia; NE Washington; Non Salmon Recovery Areas; Puget Sound; Snake River; Upper Columbia; Washington Coast
Frequency of sample collection	Episodic
Number of years data collected	More than 5
Data content	Harvest
Other data	
Rate data quality/condition (0-18)	17
Rate design, scope, implementation (0-15)	15
Charge money for the data?	Sometimes
Data sensitive or proprietary?	Yes
Raw data made available?	Email; Hard Copy
Data contact person	Lee Hoines - 360-902-2310 - Hoineljh@dfw.wa.gov
How often do you analyze, summarize, compile raw data?	As Needed
Report/publish data?	As Needed
Analyzed/summarized data made available?	Email; Hard Copy
Rely on data from others?	Yes
Data readily available on maps?	No
Data exist as GIS coverage?	No
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Washington State Department of Fish and Wildlife**
Database	**Fishery Monitoring –Coded Wire Tag Recoveries**
Database acronym	CWT
Contact	Susan Markey - 360-902-2777 - markeslm@dfw.wa.gov
Overview of the monitoring program	Provides counts of the observed and estimated numbers of returning CWT salmon and steelhead which are harvested or collected in Washington waters.
Audience/customer/user	Used by fisheries and hatchery managers for calculating survival of fish stocks and assessing stock composition in mixed stock fisheries.
Objectives	Produce accurate individual recovery data which is then expanded for sampling fraction in a consistent and defensible method.
Authority	Internal
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Status monitoring
Primary geographic focus	Statewide
Geospatially referenced?	No
Salmon Recovery Region(s)	Lower Columbia; Middle Columbia; Non Salmon Recovery Areas; Puget Sound; Snake River; Upper Columbia; Washington Coast
Frequency of sample collection	Continuous
Number of years data collected	More than 5
Data content	Harvest, salmonid productivity
Other data	None
Rate data quality/condition (0-18)	14
Rate design, scope, implementation (0-15)	11
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email, hard copy, web downloadable, web viewable
Data contact person	Susan Markey - 360-902-2777 - markeslm@dfw.wa.gov
How often do you analyze, summarize, compile raw data?	Annually, As needed
Report/publish data?	Annually, As needed
Analyzed/summarized data made available?	Email, hard copy, web downloadable, web viewable www.rmis.org
Rely on data from others?	Yes
Data readily available on maps?	No
Data exist as GIS coverage?	Unknown
Type of funding	Federal, long term

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Washington State Department of Fish and Wildlife**
Database	**Hatcheries Data**
Database acronym	
Contact	John Kerwin – 360-902-2681 - kerwijek@dfw.wa.gov
Overview of the monitoring program	
Audience/customer/user	Natural resource managers, recreational anglers, local jurisdictions, tribal, state and federal agencies.
Objectives	Track hatchery release and capture (return) data.
Authority	RCW 75.08.080 Puget Sound Salmon Management Plan
Relates to watershed health and salmon recovery	
Program ongoing?	Yes
Type of monitoring	Status Monitoring
Primary geographic focus	Statewide
Geospatially referenced?	No
Salmon Recovery Region(s)	Lower Columbia; Middle Columbia; NE Washington; Non Salmon Recovery Areas; Puget Sound; Snake River; Upper Columbia; Washington Coast
Frequency of sample collection	Varies
Number of years data collected	More than 5
Data content	Hydrology; Hatchery - disease, genetics; Hatchery - fish release, capture
Other data	
Rate data quality/condition (0-18)	16
Rate design, scope, implementation (0-15)	
Charge money for the data?	No
Data sensitive or proprietary?	Yes
Raw data made available?	Web Viewable; Email; Not Available
Data contact person	Kyle Adicks - 360-902-2669 - adickvka@dfw.wa.gov
How often do you analyze, summarize, compile raw data?	Monthly; Annually; As Resources Permit
Report/publish data?	Weekly; Monthly; Annually
Analyzed/summarized data made available?	Web Viewable; Email; Not Available
Rely on data from others?	No
Data readily available on maps?	No
Data exist as GIS coverage?	No
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Washington State Department of Fish and Wildlife**
Database	**Puget Sound Ambient Monitoring Program Fish Component**
Database acronym	PSAMP FC
Contact	Sandra O'Neill - 360-902-2843 - oneilsmo@dfw.wa.gov
Overview of the monitoring program	General purpose is to monitor the status and trends of fish health in Puget Sound. This Component fits into the larger PSAMP effort, which is focused on ecosystem health. We generally monitor temporal and spatial trends of toxics, and effects from exposure to toxics, in marine and anadromous fishes. The Fish Component also provides fish toxics data to human health agencies for their assessments.
Audience/customer/user	Educated lay people, legislators, natural resource and health Agency managers, and the scientific/technical community.
Objectives	Measure toxics in selected species (e.g., salmon, English sole, rockfish, herring) over a broad geographic area in Puget Sound, and through time. Monitor, measure and identify specific effects from exposure to toxics.
Authority	Legislative mandate via Puget Sound Water Quality Action Team
Relates to watershed health and salmon recovery	
Program ongoing?	Yes
Type of monitoring	Coarse inventory; Effectiveness; Status monitoring
Primary geographic focus	Marine Waters
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Alternating Years
Number of years data collected	More than 5
Data content	Biological – other; Marine/Estuarine Water Quality
Other data	
Rate data quality/condition (0-18)	15
Rate design, scope, implementation (0-15)	9
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email; Hard Copy
Data contact person	Sandra O'Neill - 360-902-2843 - oneilsmo@dfw.wa.gov
How often do you analyze, summarize, compile raw data?	Varies; As Needed
Report/publish data?	Annually
Analyzed/summarized data made available?	Email
Rely on data from others?	Yes
Data readily available on maps?	Yes
Data exist as GIS coverage?	Yes
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Washington State Department of Fish and Wildlife**
Database	**Puget Sound Ambient Monitoring Program--Marine Birds & Mammals**
Database acronym	PSAMP – Bird/Mammal
Contact	David Nysewander - 360-902-8134 - nysewdrn@dfw.wa.gov
Overview of the monitoring program	Provides trends, distribution, and abundance of select species of marine birds and marine mammals utilizing Puget Sound and to contribute information to assess overall health of the Puget Sound ecosystem.
Audience/customer/user	Requests for PSAMP marine bird and marine mammal data have arisen from a mixture of agencies, universities, public, and non-governmental organizations (NGO). Most recently, these have included government entities such as Canadian Wildlife Service, Canada, Department of Fisheries and Oceans, U.S. Fish and Wildlife Service, National Marine Fisheries Service, Puget Sound Action Team, other agencies in PSAMP, state legislature, university staff, Audubon, The Nature Conservancy, and People for Puget Sound. Data are also requested from numerous consulting firms associated with needs arising from development permits and requirements. WDFW programs and the public rely on this database or its products because of concerns related to oil spill effects or mitigation, status of threatened and endangered species, update of priority habitat and species databases (PHS), resolution of conflicts with commercial fisheries and ESA listed species, and varied requests from county/local governments and planning groups.
Objectives	Specific objectives include collection of population trend data using best available science, creation and maintenance of digital databases and GIS coverages, and production of analyses and other report and map products. Documentation of population indices gathered by standardized aerial methodologies and specialized survey expertise are intended to be continued over a multi-year effort, allowing the data to be used for analysis of patterns and changes in distribution, abundance, density and trends for the key indicator marine species selected.
Authority	RCW 90-71
Relates to watershed health and salmon recovery	Indirectly Supports
Program ongoing?	Yes
Type of monitoring	Status monitoring
Primary geographic focus	Statewide, Select WRIAs
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Puget Sound, Washington Coast
Frequency of sample collection	Seasonal
Number of years data collected	More than 5
Data content	Biological marine mammals; Biological other; nearshore
Rate data quality/condition (0-18)	15
Rate design, scope, implementation (0-15)	14
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email, web not available
Data contact person	David Nysewander - Phone 360-902-8134 – nysewdrn@dfw.wa.gov
How often do you analyze, summarize, compile raw data?	Annually, As needed
Report/publish data?	As resources permit
Analyzed/summarized data made available?	Email, hard copy, web downloadable, web viewable www.wa.gov/wdfw
Rely on data from others?	Yes
Data readily available on maps?	Yes
Data exist as GIS coverage?	Yes
Type of funding	State, long term

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Washington State Department of Fish and Wildlife**
Database	**Puget Sound Bottom Trawl Surveys**
Database acronym	Trawl
Contact	Wayne A. Palsson - Phone 425-379-2313 - palsswap@dfw.wa.gov
Overview of the monitoring program	The purpose of the bottom trawl survey is to estimate the populations of bottomfish and macro-invertebrates within the various basins of the inland marine waters of Washington. A chartered fishing vessel is used to tow a research bottom trawl at randomly-selected stations stratified by depth. The catch is processed by identifying, counting and weighing all species encountered. Their numbers and weights are divided by the area swept by the net at each station. These densities are then averaged and the population estimated by multiplying the average density by the area of the region and stratum. Regions are rotated over the years such that most regions are surveyed every three years.
Audience/customer/user	State and tribal ground fish managers, PSAMP scientists, Marine Science community.
Objectives	Provide estimates of key species with a percent coefficient of variation of 30% or less. Provide estimates of the size composition of key marine fish and shellfish. Evaluate trends over time.
Authority	RCW
Relates to watershed health and salmon recovery	No Relationship
Program ongoing?	Yes
Type of monitoring	Status monitoring
Primary geographic focus	Marine waters
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Annually
Number of years data collected	More than 5
Data content	Biological – Other
Other data	Bottomfish, especially flatfishes, spiny dogfish, sharks, Pacific cod, Dungeness crab, and many other species.
Rate data quality/condition (0-18)	14
Rate design, scope, implementation (0-15)	10
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email
Data contact person	Wayne A. Palsson - Phone 425-379-2313 - palsswap@dfw.wa.gov
How often do you analyze, summarize, compile raw data?	Annually
Report/publish data?	Annually
Analyzed/summarized data made available?	Email
Rely on data from others?	No
Data readily available on maps?	Yes
Data exist as GIS coverage?	Yes
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Washington State Department of Fish and Wildlife**
Database	**Puget Sound Sampling Program/Ocean Sampling Program**
Database acronym	PSSP/OSP
Contact	Douglas Milward - 360-902-2739 - milwadam@dfw.wa.gov
Overview of the monitoring program	Sport and Commercial Salmon fish sampling for state marine waters and sampling for sport caught marine fish in state marine waters.
Audience/customer/user	WDFW, NMFS, Treaty Tribes, PSMFC
Objectives	Recovery of coded wire tag information, catch and effort information, and biological information.
Authority	RCW/WAC; Tribal
Relates to watershed health and salmon recovery	
Program ongoing?	Yes
Type of monitoring	Effectiveness; Status Monitoring
Primary geographic focus	Statewide
Geospatially referenced?	No
Salmon Recovery Region(s)	Lower Columbia; Puget Sound; Washington Coast
Frequency of sample collection	Continuous
Number of years data collected	More than 5
Data content	Biological – other; Harvest; Salmonid Productivity
Other data	
Rate data quality/condition (0-18)	17
Rate design, scope, implementation (0-15)	14
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email
Data contact person	Douglas Milward - 360-902-2739 - milwadam@dfw.wa.gov
How often do you analyze, summarize, compile raw data?	Annually
Report/publish data?	Annually
Analyzed/summarized data made available?	Email; Web Downloadable www.wa.gov/wdfw/fish/agedata
Rely on data from others?	Yes
Data readily available on maps?	No
Data exist as GIS coverage?	No
Type of funding	

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Washington State Department of Fish and Wildlife**
Database	**Salmonid Spawning Ground Survey Database**
Database acronym	SGS
Contact	Dick O'Connor - 360-902-2778 - oconnrjo@dfw.wa.gov
Overview of the monitoring program	The Salmonid Spawning Ground Survey Database is built from a series of seasonal, systematic surveys of both index and "supplemental" stream sections for evidence of adult salmonid spawning activity. This database contains historical and current data from Puget Sound, the Straits of Juan de Fuca, and the Washington Coast. Counts of adult fish and redds (nests) are recorded, which provide some of the raw material for generating spawner escapement estimates by species and stock. Escapement estimates are a major component of our assessment of the status (health) of each stock.
Audience/customer/user	Information from both the database and the resulting escapement estimates is used by harvest managers, stock biologists, international salmon management technical committees, modelers, and others from state, federal, tribal and local entities.
Objectives	The objective of the sampling program and resultant analysis is to provide defensible, science-based measures of health for key salmon stocks to support the most effective management and recovery programs possible.
Authority	Internal
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Status Monitoring
Primary geographic focus	Select WRIAs
Geospatially referenced?	Partially
Salmon Recovery Region(s)	Puget Sound; Washington Coast
Frequency of sample collection	Seasonally
Number of years data collected	More Than 5
Data content	Salmonid Productivity
Other data	
Rate data quality/condition (0-18)	16
Rate design, scope, implementation (0-15)	14
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email; Hard Copy
Data contact person	Dick O'Connor - 360-902-2778 - oconnrjo@dfw.wa.gov
How often do you analyze, summarize, compile raw data?	As Needed; Annually
Report/publish data?	As Needed
Analyzed/summarized data made available?	
Rely on data from others?	Yes
Data readily available on maps?	No
Data exist as GIS coverage?	No
Type of funding	

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Washington State Department of Fish and Wildlife**
Database	**Salmonid Stock Inventory Database**
Database acronym	SaSI
Contact	Ann Blakley - 360-902-2712 - blaklab@dfw.wa.gov
Overview of the monitoring program	The SaSI database contains information on salmonid stock identification, stock status and life history in Washington State. This information can be summarized to track the progress of recovery efforts throughout the state.
Audience/customer/user	SaSI and the SaSI database have a broad audience, including both WDFW staff and external customers. Such customers include federal agencies (particularly the National Marine Fisheries Service, U.S Fish and Wildlife Service, and the USDA Forest Service), Washington tribes, other stage agencies (including DNR, Ecology, Agriculture, IAC and the Conservation Commission), county and municipal governments, consultants, non-governmental organizations (particularly groups advocating for conservation of fish, wildlife and habitat), students and interested citizens. More recently groups involved with stock/habitat recovery efforts such as HSRG, TRT's, Scorecard, lead entities, Lower Columbia Salmon Recovery Board made use of SaSI.
Objectives	The SaSI database provides information on individual salmonid stocks including spawning location, spawn timing, genetics information, stock status and data used to assess status (escapements, juvenile data, harvest) and agency contacts. These data have been used to help prioritize SRFB-funded landed acquisition proposals, in NMFS Biological Opinions, Habitat Conservation Plans and ESA Section 4(d) rule development, prioritizing scoping for Clean Water Act TMDL's, support in the listing of degraded water bodies under Section 303(d) of the CWA, as reference material in Ecology's Comprehensive Monitoring Strategy for Measuring Salmon Recovery and Watershed Health, addressing in-stream flow protection needs, enforcement of water measurements requirements for water rights, qualifying for SRFB, Lead Entity, CREP, BPA, LCFRB and Jobs for the Environment funding, making fisheries management decisions, prioritizing fish passage barriers for repair, influencing decisions made by FERC and the Washington State Energy Facility Site Evaluation Council, producing Conservation Commission Limiting Factors Analyses, using the Oil Spill Compensation Model for Damage Assessments, WDFW Public Information projects, watershed planning under the HB2514 and reviewing shoreline permit applications.
Authority	Other
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Status monitoring
Primary geographic focus	Statewide
Geospatially referenced?	No
Salmon Recovery Region(s)	Lower Columbia; Middle Columbia; NE Washington; Non Salmon Recovery Areas; Puget Sound; Snake River; Upper Columbia; Washington Coast
Frequency of sample collection	Annually
Number of years data collected	Varies
Data content	Harvest; Salmonid Productivity
Other data	
Rate data quality/condition (0-18)	
Rate design, scope, implementation (0-15)	
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email; Hard Copy
Data contact person	Ann Blakley - 360-902-2712 - blaklab@dfw.wa.gov
How often do you analyze, summarize, compile raw data?	Varies

Report/publish data?	Varies
Analyzed/summarized data made available?	Email
Rely on data from others?	Yes
Data readily available on maps?	Yes
Data exist as GIS coverage?	Yes
Type of funding	

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Washington State Department of Fish and Wildlife**
Database	**Smolt Monitoring**
Database acronym	SM
Contact	Dave Seiler - 360-902-2784 - seiledes@dfw.wa.gov
Overview of the monitoring program	Quantifies the annual freshwater production of selected species and stocks of wild salmon.
Audience/customer/user	Fishery co-managers, state, federal, and local government agencies.
Objectives	Assess annual juvenile production of selected wild salmon stocks. Explain inter-annual and inter-system differences in juvenile production as a function of habitat quantity/quality, environmental factors, parent spawner abundance, and land-use.
Authority	Internal
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Status monitoring
Primary geographic focus	Select watersheds, Select WRIAs
Geospatially referenced?	No
Salmon Recovery Region(s)	Lower Columbia; Puget Sound; Snake River; Upper Columbia; Washington Coast
Frequency of sample collection	Continuous
Number of years data collected	Varies
Data content	Salmonid freshwater productivity
Other data	None
Rate data quality/condition (0-18)	12
Rate design, scope, implementation (0-15)	6
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email, hard copy not web available
Data contact person	Mark Hino - 360-902-2753 - hinomkh@dfw.wa.gov
How often do you analyze, summarize, compile raw data?	Annually, As resources permit
Report/publish data?	Annually, As resources permit
Analyzed/summarized data made available?	Email, hard copy, web not available
Rely on data from others?	Yes
Data readily available on maps?	No
Data exist as GIS coverage?	No
Type of funding	State/federal, long term

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Washington State Department of Fish and Wildlife**
Database	**Sport Catch Estimates from catch record cards**
Database acronym	Sport CRC
Contact	Terrie Manning - 360-902-2708 - mannitam@dfw.wa.gov
Overview of the monitoring program	Annual post harvest estimates of salmon caught by recreational anglers. The estimates are produced using the harvest reported on sport catch record cards which are required to be returned to WDFW at the end of the fishing year.
Audience/customer/user	Statewide salmon managers, Tribes, Governor's Salmon Recovery Office.
Objectives	To provide allocation to treaty and non-treaty fisheries as well as for fisheries management and to evaluate stock strengths and status.
Authority	Other; RCW 77 and WAC 220-56-175; International Treaty
Relates to watershed health and salmon recovery	Indirectly Supports
Program ongoing?	Yes
Type of monitoring	Unknown
Primary geographic focus	Statewide
Geospatially referenced?	No
Salmon Recovery Region(s)	Lower Columbia; Middle Columbia; NE Washington; Non Salmon Recovery Areas; Puget Sound; Snake River; Upper Columbia; Washington Coast
Frequency of sample collection	Annually
Number of years data collected	More than 5
Data content	Harvest
Other data	
Rate data quality/condition (0-18)	10
Rate design, scope, implementation (0-15)	12
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Not Available
Data contact person	Terrie Manning - 360-902-2708 - mannitam@dfw.wa.gov
How often do you analyze, summarize, compile raw data?	Annually
Report/publish data?	As Resources Permit; Varies
Analyzed/summarized data made available?	Email; Web Downloadable www.wa.gov/wdfw/fishcorn.htm
Rely on data from others?	Yes
Data readily available on maps?	No
Data exist as GIS coverage?	No
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Washington State Department of Fish and Wildlife**
Database	**Video-Acoustic Surveys for Rockfish and Lingcod**
Database acronym	VAT
Contact	Wayne A. Palsson - 425-379-2313 - palsswap@dfw.wa.gov
Overview of the monitoring program	The purpose of the video-acoustic survey is to estimate the populations of rockfish, lingcod, and other fish and shellfish associated with rocky habitats within the various basins of the inland marine waters of Washington. A WDFW vessel is used to deploy a quantitative video camera and scientific echosounder at randomly-selected rocky habitat stations in the nearshore zone. These devices are used to estimate fish density and describe habitat at the selected station. The station densities are averaged and the population estimated by multiplying the average density by the area of the region and stratum. Regions are rotated over the years such that most regions are surveyed every three years.
Audience/customer/user	State and tribal ground fish managers, PSAMP scientists, Marine Science community, Marine Reserve designers, County MRCs.
Objectives	Provide estimates of key species with a percent coefficient of variation of 30% or less. Provide estimates of the size composition of key marine fish and shellfish. Evaluate trends over time. Map rocky habitat. Determine the relationship between key species and habitat factors.
Authority	RCW/WAC
Relates to watershed health and salmon recovery	No Relationship
Program ongoing?	Yes
Type of monitoring	Status monitoring
Primary geographic focus	Marine waters
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Annually
Number of years data collected	More than 5
Data content	Biological - Other
Other data	Bottom fish especially copper, quillback, brown and other rockfishes, lingcod, kelp greenling, invertebrates including red and green sea urchins and sea cucumbers
Rate data quality/condition (0-18)	10
Rate design, scope, implementation (0-15)	10
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email, not web available
Data contact person	Wayne A. Palsson - Phone 425-379-2313 - palsswap@dfw.wa.gov
How often do you analyze, summarize, compile raw data?	Annually
Report/publish data?	Annually
Analyzed/summarized data made available?	Email, web not available
Rely on data from others?	No
Data readily available on maps?	Yes
Data exist as GIS coverage?	Yes
Type of funding	State/federal, long term

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Washington State Department of Fish and Wildlife**
Database	**Washington State Fish Passage Barrier and Surface Water Diversion Screening Database**
Database acronym	SSHEARbase
Contact	Brian Benson – 360-902-2570 – bensoblb@dfw.wa.gov
Overview of the monitoring program	SSHEARbase includes data compiled from several WDFW and non-WDFW barrier and screening inventory efforts. The data are statewide in scope but do not represent a comprehensive or complete inventory. Data are updated continually as inventory efforts are ongoing. The inventory efforts are intended to locate, identify, and prioritize correction of man-made fish passage barriers and improperly screened surface water diversions. Identifying and correcting fish passage barriers and improperly screened diversions are key components of salmon recovery.
Audience/customer/user	The data may be used by any group interested in salmon and habitat recovery. Data have been provided to SSHIAP, Conservation Commission limiting factors analysis, regional fisheries enhancement groups, counties, cities, tribes, etc.
Objectives	WDFW uses the data to identify force account fish passage barrier correction projects, particularly those of a high-risk nature and those owned by WDFW and WSDOT. The data are also used to track where inventory efforts have occurred.
Authority	Internal; RCW 77.55.060; RCW 77.55.040; RCW 77.55.100
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Coarse inventory; Status monitoring
Primary geographic focus	Statewide
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Lower Columbia; Middle Columbia; NE Washington; Non Salmon Recovery Areas; Puget Sound; Snake River; Upper Columbia; Washington Coast
Frequency of sample collection	Varies
Number of years data collected	More than 5
Data content	Other; Salmonid Passage
Other data	Surface water diversion screening for salmonid protection.
Rate data quality/condition (0-18)	13
Rate design, scope, implementation (0-15)	11
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email
Data contact person	Brian Benson – 360-902-2570 – bensoblb@dfw.wa.gov
How often do you analyze, summarize, compile raw data?	Annually; As Needed
Report/publish data?	Annually; As Needed
Analyzed/summarized data made available?	Email
Rely on data from others?	Yes
Data readily available on maps?	No
Data exist as GIS coverage?	Yes
Type of funding	

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Washington State Department of Natural Resources**
Database	**Dredged Material Management Program**
Database acronym	DMMP
Contact	Robert Brenner - 360-902-1083 - robert.brenner@wadnr.gov
Overview of the monitoring program	DMMP is tasked with management of designated open-water dredged material disposal sites in Puget Sound and coastal Washington. The organization is a cooperative agreement between US Army Corps of Engineers, US EPA Region 10, and the WA Departments of Ecology and Natural Resources. Dredged materials destined for open water disposal are evaluated for suitability, dredging and disposal activities are monitored for conformity to permit specifics, and disposal sites are environmentally monitored to evaluate environmental impacts.
Audience/customer/user	The target audience is the dredging community of Puget Sound and coastal Washington and those environmental groups that are concerned with dredging, dredged material disposal, and related impacts to the aquatic environment.
Objectives	The primary objective is to prevent detrimental environmental effects related to the disposal of dredged material at designated open-water disposal sites.
Authority	RCW 79.90.550, 79.90.555, 79.90.560; WAC 332-30-166
Relates to watershed health and salmon recovery	No Relationship
Program ongoing?	Yes
Type of monitoring	Effectiveness
Primary geographic focus	Statewide
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Puget Sound; Washington Coast
Frequency of sample collection	Varies
Number of years data collected	More than 5
Data content	Geologic; Marine/Estuarine Water Quality
Other data	
Rate data quality/condition (0-18)	12
Rate design, scope, implementation (0-15)	12
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email; Hard Copy
Data contact person	Robert Brenner - 360-902-1083 robert.brenner@wadnr.gov
How often do you analyze, summarize, compile raw data?	Annually
Report/publish data?	Every 2 Yrs
Analyzed/summarized data made available?	Web Downloadable; Web Viewable www.nws.usace.army.mil/dmmo/homepage.htm
Rely on data from others?	No
Data readily available on maps?	Yes
Data exist as GIS coverage?	Unknown
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Washington State Department of Natural Resources**
Database	**Kings Lake Bog Water Quality and Hydrology Study**
Database acronym	KLB
Contact	Scott Pearson - 360-754-6032 - scott.pearson@wadnr.gov
Overview of the monitoring program	Baseline data on water quality and hydrology of Kings Lake Bog Natural Area Preserve.
Audience/customer/user	Intended to help us identify threats to the long-term persistence of the bog and wetland complex.
Objectives	Describe water quality and hydrology of the site. This monitoring program will be repeated at five other bogs managed by the Natural Areas Program.
Authority	RCW 79.71
Relates to watershed health and salmon recovery	No Relationship
Program ongoing?	Yes
Type of monitoring	Status Monitoring
Primary geographic focus	Select Reaches
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Monthly
Number of years data collected	1 to 5
Data content	Freshwater Surface Water Quality; Hydrology
Other data	
Rate data quality/condition (0-18)	12
Rate design, scope, implementation (0-15)	12
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Not Available
Data contact person	Scott Pearson - 360-754-6032 - scott.pearson@wadnr.gov
How often do you analyze, summarize, compile raw data?	Annually
Report/publish data?	Every 2 Yrs
Analyzed/summarized data made available?	Not Available
Rely on data from others?	No
Data readily available on maps?	No
Data exist as GIS coverage?	No
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Washington State Department of Natural Resources**
Database	**Natural Heritage Information System**
Database acronym	NHIS
Contact	John Gamon - 360-902-1661 - john.gamon@wadnr.gov
Overview of the monitoring program	Maintain GIS and tabular information on the state's significant ecological features, including rare species and high quality terrestrial and aquatic communities.
Audience/customer/user	Data are used internally by the Natural Areas Program within DNR, as well as externally by non-profit conservation organizations, other state and federal agencies, consulting firms, researchers, etc.
Objectives	Data are used both directly for conservation planning purposes and indirectly during the course of environmental review of various projects.
Authority	RCW 79.70
Relates to watershed health and salmon recovery	
Program ongoing?	Yes
Type of monitoring	Coarse Inventory
Primary geographic focus	Statewide
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Lower Columbia; Middle Columbia; NE Washington; Non Salmon Recovery Areas; Puget Sound; Snake River; Upper Columbia; Washington Coast
Frequency of sample collection	Varies
Number of years data collected	
Data content	Biological - other; Nearshore; Other; Riparian Habitat; Upland Habitat; Wetlands
Other data	Location of rare plant and animal species
Rate data quality/condition (0-18)	13
Rate design, scope, implementation (0-15)	11
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Not Available
Data contact person	Sandy Moody - 360-902-1667 - Sandra.moody@wadnr.gov
How often do you analyze, summarize, compile raw data?	Varies
Report/publish data?	As Needed
Analyzed/summarized data made available?	Email; Web Downloadable; Web Requested; Web Viewable
Rely on data from others?	Yes
Data readily available on maps?	Yes
Data exist as GIS coverage?	Yes
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Washington State Department of Natural Resources**
Database	**Nearshore Habitat Program**
Database acronym	
Contact	Helen Berry - 360-902-1052 - Helen.berry@wadnr.gov
Overview of the monitoring program	The Nearshore Habitat Program inventories and monitors intertidal and shallow subtidal habitats throughout the state, with a focus on Puget Sound. The program is one of eight research components within the Puget Sound Ambient Monitoring Program (PSAMP). It is housed in DNR, the steward for majority of the state's aquatic lands.
Audience/customer/user	There are a broad range of audience/customers. The general public is interested in status and trends information. State, federal and local scientists and managers are interested in status and trends information and in data to improve land management.
Objectives	The mandate of the program, as defined by PSAMP, is to assess the health of Puget Sound. We meet this objective through a series of linked inventory and monitoring programs that track indicators of nearshore habitat condition. The program inventories physical and biotic habitat characteristics at several resolutions, and monitors the following indicators of habitat condition: eelgrass abundance and distribution, canopy-forming kelp, intertidal resident biotic communities. We also complete focus projects to address other issues of interest.
Authority	
Relates to watershed health and salmon recovery	Indirectly Supports
Program ongoing?	Yes
Type of monitoring	Coarse Inventory; Status Monitoring
Primary geographic focus	Ecoregions or Marine Wagers
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Puget Sound; Washington Coast
Frequency of sample collection	Varies
Number of years data collected	Varies
Data content	Biological – other; Nearshore
Other data	
Rate data quality/condition (0-18)	17
Rate design, scope, implementation (0-15)	15
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email; Hard Copy; Web Downloadable www.wa.gov/dnr
Data contact person	Nearshore Habitat Program - 360-902-1100
How often do you analyze, summarize, compile raw data?	Varies
Report/publish data?	Varies
Analyzed/summarized data made available?	Email; Hard Copy; Web Downloadable
Rely on data from others?	Yes
Data readily available on maps?	Yes
Data exist as GIS coverage?	Yes
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Washington State Department of Natural Resources**
Database	**WA Department of Natural Resources Geographic Information System Hydrography Data Layer**
Database acronym	WADNR HYDRO
Contact	Deborah Naslund - 360-902-1666 - deborah.naslund@wadnr.gov
Overview of the monitoring program	Provide a statewide geographic information data layer of surface water features for data analysis and mapping in support of natural resource management.
Audience/customer/user	WA Department of Natural Resources staff, Timber/Fish/Wildlife participants and other state/federal/private agencies/organizations/individuals.
Objectives	To assist in land management and regulatory decision making as it relates to surface waters of the state. The WADNR Hydrography Data Layer is designed to serve as the official repository for the Forest Practices Water Typing System.
Authority	RCW 5822, 5824; ESHB 2091; RCW 76.09; WAC 222 Requirements for regulatory and proprietary land management.
Relates to watershed health and salmon recovery	
Program ongoing?	Yes
Type of monitoring	
Primary geographic focus	Statewide
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Lower Columbia; Middle Columbia; NE Washington; Non Salmon Recovery Areas; Puget Sound; Snake River; Upper Columbia; Washington Coast
Frequency of sample collection	Varies
Number of years data collected	
Data content	Other
Other data	The DNR Hydrography data layer represents an integrated network coverage (polygons and lines) that holds data on water bodies (open water, lakes, etc.) and watercourses (rivers, streams, canals, etc.).
Rate data quality/condition (0-18)	10
Rate design, scope, implementation (0-15)	
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email
Data contact person	Sandra Bahr - 360-902-1544 - sandra.bahr@wadnr.gov
How often do you analyze, summarize, compile raw data?	
Report/publish data?	
Analyzed/summarized data made available?	
Rely on data from others?	Yes
Data readily available on maps?	Yes
Data exist as GIS coverage?	Yes
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Washington State Department of Transportation**
Database	**WSDOT Wetland Monitoring Program**
Database acronym	
Contact	Bob Thomas - 360-570-6646 - thomasbo@wsdot.wa.gov
Overview of the monitoring program	When wetlands are adversely affected by a transportation project, WSDOT provides compensation for the impacts by restoring, enhancing, and/or creating wetlands. Compliance monitoring of these compensatory mitigation efforts, and provision of internal feedback, comprise the two-fold mission of the WSDOT Monitoring Program. Compliance monitoring provides a means for tracking the development of all WSDOT mitigation projects over time, and for determining compliance with permits issued by federal, state, local or tribal jurisdictions. It is also the purpose of the Monitoring Program to serve an important internal feedback role. By reporting on the development of mitigation projects, the Monitoring Program provides an essential link in the internal adaptive management process, empowering regional WSDOT environmental managers to make sound decisions regarding present and future mitigation projects.
Audience/customer/user	Monitoring reports are completed annually and submitted to the U.S. Army Corps of Engineers, Washington State Department of Ecology, and other appropriate state and federal resource agencies and local governments.
Objectives	Monitoring begins the first year after planting of a mitigation site and continues annually for what is typically a period of 5 to 10 years. WSDOT biologists conduct monitoring activities from May to September with the help of graduate students and upper level undergraduates enrolled in an eleven-week internship entitled Wetland Ecology and Monitoring Techniques. Data are collected on vegetation, wildlife, soil, and hydrology and a photographic record is kept of each site.
Authority	Permits issued by local, state and federal agencies including USACE, EPA, WSDOE, King County and City of Seattle
Relates to watershed health and salmon recovery	No Relationship
Program ongoing?	Yes
Type of monitoring	Status Monitoring
Primary geographic focus	Statewide
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Lower Columbia; Middle Columbia; NE Washington; Puget Sound; Washington Coast
Frequency of sample collection	Episodic
Number of years data collected	Varies
Data content	Biological – other; Hydrology; Wetlands
Other data	
Rate data quality/condition (0-18)	16
Rate design, scope, implementation (0-15)	15
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Hard Copy
Data contact person	Fred Bergdolt - 360-570-6645 - bergdof@wsdot.wa.gov
How often do you analyze, summarize, compile raw data?	As Needed; Annually
Report/publish data?	As Needed; Annually
Analyzed/summarized data made available?	Web Viewable www.wsdot.wa.gov/eesc/environmental/programs/wetmon/wetmon.htm
Rely on data from others?	No
Data readily available on maps?	No
Data exist as GIS coverage?	Yes
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**US Army Corps of Engineers**
Database	**Monitoring of aquatic and wetland mitigation efforts**
Database acronym	
Contact	Chris L. McAuliffe - 206-764-6878 - chris.l.mcauliffe@usace.army.m
Overview of the monitoring program	Monitoring of aquatic and wetland mitigation efforts as required by permit conditions.
Audience/customer/user	Regulatory branch project managers and team leaders.
Objectives	To insure mitigation projects are completed and that they meet specific goals, objectives, and performance standards.
Authority	33 CFR 325.4
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Operational; Status Monitoring; Effectiveness
Primary geographic focus	Statewide
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Lower Columbia; Middle Columbia; Non Salmon Recovery Areas; Puget Sound; Upper Columbia; Washington Coast
Frequency of sample collection	Varies
Number of years data collected	Varies
Data content	Instream Habitat; Nearshore; Riparian Habitat; Wetlands
Other data	
Rate data quality/condition (0-18)	6
Rate design, scope, implementation (0-15)	5
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Hard Copy
Data contact person	Chris L. McAuliffe - 206-764-6878 - chris.l.mcauliffe@usace.army.m
How often do you analyze, summarize, compile raw data?	As Resources Permit
Report/publish data?	Never
Analyzed/summarized data made available?	Hard Copy
Rely on data from others?	Yes
Data readily available on maps?	Partial
Data exist as GIS coverage?	No
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**US Army Corps of Engineers Regulatory Branch**
Database	**Endangered Species Act Programmatic Consultation Compliance Monitoring**
Database acronym	
Contact	Cindy Barger - 206-764-5526 - cindy.s.barger@usace.army.mil
Overview of the monitoring program	Individual project monitoring of compliance with ESA programmatic consultation requirements by submitting reports on revegetation success, pollution, and erosion control measures, fish capture and release, and overall project success for restoration activities. Similar monitoring requirements are placed on projects not authorized by a programmatic consultation. Construction impact assessments-for some programmatic consultation activities, individual projects are requested to monitor impacts during construction and submit report summarizing the impacts. Programmatic monitoring is conducted to assess overall frequency of use, enforcement/compliance issues, and ascertain potential aspects for the programmatic consultation that should be reevaluated at the annual monitoring and reporting meetings.
Audience/customer/user	Specific audience or customer of monitoring results.
Objectives	Individual project monitoring goal - overall success of the project, compliance with ESA consultation requirements (programmatic or individual consultations). Construction impact assessments goal-evaluate accuracy of programmatic consultation impact assessments, revised programmatic consultation requirements per impact assessments (either becoming less restrictive or more restrictive) to properly protect listed species (Adaptive Management). Programmatic Monitoring goal-Corps of Engineers compliance with programmatic consultation. Adaptive management measures will be implemented based on overall compliance.
Authority	CFR – ESA
Relates to watershed health and salmon recovery	Indirectly Supports
Program ongoing?	Yes
Type of monitoring	Operational
Primary geographic focus	Statewide
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Lower Columbia; Middle Columbia; NE Washington; Puget Sound; Snake River; Upper Columbia; Washington Coast
Frequency of sample collection	Annually
Number of years data collected	1 to 5
Data content	Landscape Activities – restoration projects; Other; Salmonid Passage
Other data	In water structure/activities
Rate data quality/condition (0-18)	12
Rate design, scope, implementation (0-15)	10
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email
Data contact person	Cindy Barger - 206-764-5526 - cindy.s.barger@usace.army.mil
How often do you analyze, summarize, compile raw data?	Annually
Report/publish data?	Annually
Analyzed/summarized data made available?	Email
Rely on data from others?	Yes
Data readily available on maps?	No
Data exist as GIS coverage?	No
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**US Army Corps of Engineers, Seattle District**
Database	**Dredged Material Management Program (DMMP) - Puget Sound Monitoring Program for Non-dispersive disposal**
Database acronym	DMMP
Contact	David R. Kendall, Ph.D. - 206-764-3768 - david.r.kendall@usace.army.mil
Overview of the monitoring program	All four DMMP agencies (Corps, DNR, Ecology, EPA) cooperatively manage the 8 deepwater disposal sites, and participate in data review and management decisions. Active monitoring of the disposal sites is generally restricted to the Puget Sound nondispersive sites. The Non-dispersive site monitoring objectives require the collection of physical, chemical, and biological data to answer the following three questions: 1) Does the deposited dredged material stay onsite?; 2) Is the biological effects condition for non-dispersive sites exceeded at the site due to dredged material disposal?; 3) Are unacceptable adverse effects occurring to biological resources immediately offsite due to dredged material disposal?
Audience/customer/user	The public, resource agencies, and shoreline districts, that issue the disposal site shoreline permit for each of the 5 non-dispersive sites and 3 dispersive sites. The DMMP agencies manage the sites according to the management objectives discussed above.
Objectives	The monitoring results are used by the DMMP agencies to determine if management standards have been met (see 7 above), if additional studies are needed, or if adjustments should be made to site management standards, site use conditions, or other DMMP program elements.
Authority	CFR; WAC 332-30-166
Relates to watershed health and salmon recovery	Indirectly Supports
Program ongoing?	Yes
Type of monitoring	Operational; Status Monitoring; Effectiveness
Primary geographic focus	Ecoregions or Marine Waters
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	
Number of years data collected	More than 5
Data content	Marine/Estuarine Water Quality
Other data	
Rate data quality/condition (0-18)	13
Rate design, scope, implementation (0-15)	10
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email; Hard Copy
Data contact person	Robert Brenner, DNR - 360-902-1083 - Robert.Brenner@wadnr.gov
How often do you analyze, summarize, compile raw data?	Annually
Report/publish data?	Every 2 Yrs
Analyzed/summarized data made available?	Email; Web Requested
Rely on data from others?	No
Data readily available on maps?	Yes
Data exist as GIS coverage?	Yes
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**USCG Integrated Support Command Seattle**
Database	**Benchmark Monitoring under the National Pollution Discharge Elimination System Stormwater Multi-Sect**
Database acronym	Stormwater Monitoring
Contact	Nina Scala - 206-217-6986 - ascala@pacnorwest.uscg.mil
Overview of the monitoring program	Benchmark monitoring of stormwater runoff from Piers 36 and 37 in Seattle, in accordance with the Water Transportation Sector requirements of the NPDES Multi-Sector General Permit. Visual and quantitative analysis of runoff from four discharge points during a qualifying storm event. Analysis conducted quarterly, every two years. Analytical parameters are total recoverable: aluminum, iron, lead, and zinc.
Audience/customer/user	Data are furnished to USEPA every two years in accordance with the NPDES permit.
Objectives	To identify and reduce sources of water pollution that are typically problematic at marine transportation related facilities. USEPA objectives are likely broader.
Authority	CFR 33 USC 1251
Relates to watershed health and salmon recovery	Indirectly Supports
Program ongoing?	Yes
Type of monitoring	Status Monitoring; Effectiveness
Primary geographic focus	Multi-State/International
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Alternating Yrs
Number of years data collected	1 to 5
Data content	Other
Other data	Stormwater runoff to Elliott Bay.
Rate data quality/condition (0-18)	3
Rate design, scope, implementation (0-15)	5
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Hard Copy
Data contact person	Nina Scala - 206-217-6986 - ascala@pacnorwest.uscg.mil
How often do you analyze, summarize, compile raw data?	Every 2 Yrs
Report/publish data?	Every 2 Yrs
Analyzed/summarized data made available?	Hard Copy
Rely on data from others?	No
Data readily available on maps?	No
Data exist as GIS coverage?	No
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**US Fish & Wildlife Service**
Database	**Elliott Bay/Duwamish Restoration Monitoring Program**
Database acronym	EB/DRP
Contact	Carrie Cook-Tabor - 360-753-9512 - carrie_cook-tabor@fws.gov
Overview of the monitoring program	The U.S. Fish and Wildlife Service initiated the monitoring component of the EB/DRP during the winter of 2000/2001. One goal of the EB/DRP is to restore intertidal habitats in Elliott Bay and the Duwamish River at selected sites. The monitoring component is a 10 year project to monitor the physical and biological characteristics of four restoration sites associated with the EB/DRP and their respective reference sites.
Audience/customer/user	Monitoring results, and associated reports, are made available to the Elliott Bay/Duwamish Restoration Program Panel, federal, local and state agencies and tribes.
Objectives	To determine if the physical and biological criteria, established as a benchmark for success in the EB/DRP monitoring plan have been met. Physical criteria categories include intertidal area, tidal regime, slope erosion and sediment quality. Biological criteria include marsh vegetation, riparian vegetation, bird use, fish access and presence, and invertebrate prey production.
Authority	Court
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Status Monitoring
Primary geographic focus	Select Reaches
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Seasonally
Number of years data collected	1 to 5
Data content	Marine/Estuarine Water Quality; Salmonid Productivity; Exotic Species; Biological - other; Riparian Habitat; Waterway and Channel Modification; Landscape/features inventory; Landscape Activities - restoration projects
Other data	
Rate data quality/condition (0-18)	10
Rate design, scope, implementation (0-15)	7
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Hard Copy; Not Available
Data contact person	David Low - 360-753-9562
How often do you analyze, summarize, compile raw data?	As Needed; Annually
Report/publish data?	As Needed; Annually
Analyzed/summarized data made available?	Hard Copy; Not Available
Rely on data from others?	No
Data readily available on maps?	Unknown
Data exist as GIS coverage?	Unknown
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**US Fish & Wildlife Service, Olympia Fish Health Center**
Database	**National Wild Fish Health Survey**
Database acronym	NWFHS
Contact	Ray D. Brunson - 360-753-9046 - ray_brunson@fws.gov
Overview of the monitoring program	National Survey to determine presence of certain aquatic pathogens and the location, and species of wild fish populations that may harbor them.
Audience/customer/user	The U.S. Fish and Wildlife Service, State, and Tribal fisheries management entities, and the general public.
Objectives	Sample wild fish populations with the assistance of partnership and cooperating agencies. Using tests and sampling at the minimum assumed prevalence level (APPL) of 5%, determine the presence (or absence) of certain regulated fish pathogens throughout the United States.
Authority	50 CFR;16.13 - U.S. Fish and Wildlife National Fish Health Policy and Wild Fish Health Survey Mission
Relates to watershed health and salmon recovery	No Relationship
Program ongoing?	Yes
Type of monitoring	Coarse Inventory; Status Monitoring; Effectiveness
Primary geographic focus	Multi-State/International; Select Reaches; Select Watersheds; Select WRIAs
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Middle Columbia; NE Washington; Puget Sound; Upper Columbia; Washington Coast
Frequency of sample collection	Episodic
Number of years data collected	1 to 5
Data content	Other
Other data	Data content includes date, species, numbers of samples, location, tests performed and results of tests for presence of pathogens in wild fish populations.
Rate data quality/condition (0-18)	7
Rate design, scope, implementation (0-15)	5
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Web Viewable
Data contact person	Thomas A. Bell - 703-358-1856 - thomas_a_bell@fws.gov
How often do you analyze, summarize, compile raw data?	As Needed; As Resources Permit; Varies
Report/publish data?	As Needed; As Resources Permit; Varies
Analyzed/summarized data made available?	Web Viewable
Rely on data from others?	Yes
Data readily available on maps?	Yes
Data exist as GIS coverage?	Yes
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**US Forest Service**
Database	**Aquatic Riparian Effectiveness Monitoring Plan**
Database acronym	AREMP
Contact	Steve Lanigan - 503-808-2261 - slanigan@fs.fed.us
Overview of the monitoring program	The Aquatic and Riparian Effectiveness Monitoring Plan (AREMP) characterizes the ecological condition of watersheds and aquatic ecosystems to answer basic watershed health questions, e.g., is the Northwest Forest Plan (NWFP) restoring and maintaining aquatic and riparian ecosystems to desired conditions on federal lands in the Forest Plan area? Over a five-year period, a total of 250 watersheds will be sampled in Washington, Oregon and northern California within the NWFP area. Watershed conditions are being assessed by analyzing indicator values using a decision support model (DSM) incorporating physical, chemical, and biotic relationships developed by provincial and regional experts.
Audience/customer/user	Customers range from Federal agency executives (policy makers) who need monitoring results to guide adaptive management policies at a landscape level, to National Forest and BLM District managers who want monitoring results for watershed analyses, to guide adaptive management actions at local scale, and to prioritize restoration efforts.
Objectives	Our monitoring effort determines present watershed condition based on upslope, riparian, and in-channel attributes, tracks trends in watershed condition over time, and reports on the Forest Plan's effectiveness across the region. AREMP also provides information that is useful in determining causal relationships to help explain those trends. Another objective is to join in a state-federal monitoring partnership because it will help standardize protocols (e.g., how to develop landscape level GIS layers), allow us to evaluate the health of entire watersheds (instead of restricting monitoring to only federal lands), help improve communications between state and federal agencies, increase statistical inference (by using a larger sample size), and potentially stabilize available funds for monitoring efforts.
Authority	Internal
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Status Monitoring; Effectiveness
Primary geographic focus	Ecoregions or Marine Waters; Multi-State/International; Select Watersheds
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Lower Columbia; Puget Sound
Frequency of sample collection	Annually
Number of years data collected	1 to 5
Data content	Hydrology; Instream Habitat; Landscape activities - restoration projects; Landscape/features inventory; Land Use; Other Upland; Riparian Habitat; Upland Habitat
Other data	
Rate data quality/condition (0-18)	18
Rate design, scope, implementation (0-15)	15
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email
Data contact person	Chris Moyer - 541-750-7017 - cmoyer@fs.fed.us
How often do you analyze, summarize, compile raw data?	Annually
Report/publish data?	Annually
Analyzed/summarized data made available?	Email
Rely on data from others?	Yes

Data readily available on maps?	Yes
Data exist as GIS coverage?	Unknown
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**King County Department of Transportation, Road Services**
Database	**Mitigation Monitoring Program, RDCW16**
Database acronym	
Contact	Erick Thompson - 206-296-8747 - Erick.Thompson@metrokc.gov
Overview of the monitoring program	The King County Road Services Division Engineering Services Section Environmental Unit Monitoring Program conducts field studies before, during, and after the construction of King County road projects. Many construction projects require work within streams that contain salmonids, leading to subsequent mitigation and enhancement of those streams and their associated wetland and riparian habitats. The monitoring program is used to evaluate the effectiveness of such endeavors.
Audience/customer/user	The Road Services Division itself. Also, many of our permits stipulate monitoring to evaluate the effectiveness of mitigation, we also conduct spawning surveys, habitat analysis, salmonid juvenile studies, etc. Permit conditions (Ranging from 3 to 10 years of monitoring) have come from: Washington State (WDFW and DOE), King County (KC DDES), and Federal (Army Corps, USFW and NMFS through Biological Opinion).
Objectives	1) To better facilitate design and permitting of road projects, and to provide relevant data to minimize or avoid all potential effects from road projects upon the natural environment. 2) Meet performance standards as specified by permit conditions from regulatory agencies.
Authority	RCW/WAC; Local; Internal; CFR
Relates to watershed health and salmon recovery	Indirectly Supports
Program ongoing?	Yes
Type of monitoring	Coarse Inventory; Status Monitoring; Effectiveness; Operational
Primary geographic focus	Administrative Boundaries; Select Reaches; Select Watersheds; Select WRIAs
Geospatially referenced?	Partially
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Varies
Number of years data collected	More than 5
Data content	Biological - other; Freshwater Surface Water Quality; Ground Water Quality/Quantity; Hydrology; Instream Habitat; Landscape Activities - restoration projects; Nearshore; Riparian Habitat; Salmonid Passage; Salmonid Productivity; Upland Habitat; Waterway and Channel Modification; Wetlands
Other data	
Rate data quality/condition (0-18)	11
Rate design, scope, implementation (0-15)	9
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email
Data contact person	Erick Thompson - 206-296-8747 - Erick.Thompson@metrokc.gov
How often do you analyze, summarize, compile raw data?	Annually
Report/publish data?	As Needed; Every 2 Yrs
Analyzed/summarized data made available?	Email
Rely on data from others?	Yes
Data readily available on maps?	Partial
Data exist as GIS coverage?	Yes
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**King County Road Maintenance Section**
Database	**Road Maintenance Environmental Monitoring Program**
Database acronym	RMEMP
Contact	Rob Fritz - 206-205-7107 - rob.fritz@metrokc.gov
Overview of the monitoring program	We monitor water quality, macroinvertebrates, and habitat condition within the road right of way in un-incorporated King County. The data is used to help determine general health of streams (baseline data), impacts of specific road maintenance activities, and to help identify future projects. All of the monitoring is required to meet various state, federal and local permits.
Audience/customer/user	Our data is used in house to identify future projects, by other state and local agencies for additional information, and for state, local, and federal permit reviewers. We have also used the data to monitor specific project impacts over time, which has been used by other road maintenance jurisdictions and the University of Washington.
Objectives	The specific objectives are to document improved or existing habitat conditions within the road right of way and meet monitoring objectives in permit requirements.
Authority	RCW 75-20; RCW90.58; 43.21C; 90.48; 76.09; 36.70; 70-105; and many WAC
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Status Monitoring; Effectiveness
Primary geographic focus	Administrative Boundaries; Select Reaches
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Daily
Number of years data collected	1 to 5
Data content	Biological - other; Exotic Species; Freshwater Surface Water Quality; Hydrology; Instream Habitat; Landscape Activities - restoration projects; Landscape/features inventory; Land Use; Other Upland; Riparian Habitat; Salmonid Passage; Salmonid Productivity; Waterway and Channel Modification; Wetlands
Other data	
Rate data quality/condition (0-18)	14
Rate design, scope, implementation (0-15)	12
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Hard Copy
Data contact person	Rob Fritz - 206-205-7107 - rob.fritz@metrokc.gov
How often do you analyze, summarize, compile raw data?	As Needed; As Resources Permit; Varies
Report/publish data?	As Resources Permit; Varies
Analyzed/summarized data made available?	Email; Hard Copy
Rely on data from others?	No
Data readily available on maps?	Yes
Data exist as GIS coverage?	Yes
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**King County Road Maintenance Section**
Database	**Road Maintenance NPDES Sampling Program**
Database acronym	NPDES
Contact	Rob Fritz - 206-205-7107 - rob.fritz@metrokc.gov
Overview of the monitoring program	We have several gravel pit sites in King County that have groundwater wells that are monitored on a regular basis to meet permit requirements.
Audience/customer/user	The Department of Ecology is the primary audience, but local agencies and local residents are also interested. Road Maintenance management is the customer, without the permits they could not operate the facility.
Objectives	Meet permit requirements. We also use the data to identify problems that need to be addressed and monitor change over time.
Authority	RCW 43.21C; WAC 197-11; RCW 76.09; WAC 222-34; RCW 70-105; WAC 173-340; KCC 9.04; KCC 16.82; KCC 20.44
Relates to watershed health and salmon recovery	Indirectly Supports
Program ongoing?	Yes
Type of monitoring	Operational; Status Monitoring
Primary geographic focus	Administrative Boundaries; Select Reaches
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Varies
Number of years data collected	Varies
Data content	Ground Water Quality/Quantity
Other data	
Rate data quality/condition (0-18)	10
Rate design, scope, implementation (0-15)	7
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email; Hard Copy
Data contact person	Doug Navetski - 206-296-7723 - doug.navetski@metrokc.gov
How often do you analyze, summarize, compile raw data?	As Needed; As Resources Permit; Varies
Report/publish data?	As Needed; As Resources Permit; Varies
Analyzed/summarized data made available?	Email; Hard Copy
Rely on data from others?	No
Data readily available on maps?	Partial
Data exist as GIS coverage?	No
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Pierce County Water Programs**
Database	**Basin planning monitoring**
Database acronym	
Contact	Heather Kibbey - 253-798-4664 - hkibbey@co.pierce.wa.us
Overview of the monitoring program	Basin planning to determine capital improvement needs for stormwater and water quality needs is being done in each of 26 basins in the county. Monitoring includes flow, and general water quality, as well as habitat conditions. Each plan is completed over 18 months. Some of the flow monitoring equipment is being left in each basin for long-term monitoring.
Audience/customer/user	Our results are used to determine priorities in the County's program to reduce or prevent flooding, and improve water quality under the NPDES program.
Objectives	To determine specific areas where flows or water quality are a problem.
Authority	Federal Law--NPDES stormwater permit
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Coarse Inventory
Primary geographic focus	Select Reaches
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Continuous
Number of years data collected	1 to 5
Data content	Freshwater Surface Water Quality; Ground Water Quality/Quantity; Hydrology; Salmonid Passage
Other data	
Rate data quality/condition (0-18)	6
Rate design, scope, implementation (0-15)	6
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email
Data contact person	Heather Kibbey - 253-798-4664 - hkibbey@co.pierce.wa.us
How often do you analyze, summarize, compile raw data?	Varies
Report/publish data?	Varies
Analyzed/summarized data made available?	Email
Rely on data from others?	Yes
Data readily available on maps?	Partial
Data exist as GIS coverage?	Yes
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Pierce County Public Works and Utilities**
Database	**Wetland Mitigation Monitoring**
Database acronym	
Contact	Mary Lynch - 253-798-7250 - mlynch@co.pierce.wa.us
Overview of the monitoring program	The program involves monitoring all wetland mitigation sites that have been constructed as a result of wetland impacts associated with transportation projects.
Audience/customer/user	Regulatory agencies.
Objectives	To determine/document if permit conditions and performance standards outlined in the mitigation plans are being met.
Authority	Corps of Engineers Section 404 of the Clean Water Act; Critical Areas Ordinance Title 18E
Relates to watershed health and salmon recovery	Indirectly Supports
Program ongoing?	Yes
Type of monitoring	Effectiveness
Primary geographic focus	Administrative Boundaries
Geospatially referenced?	Partially
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Annually
Number of years data collected	1 to 5
Data content	Hydrology; Salmonid Productivity; Wetlands
Other data	
Rate data quality/condition (0-18)	12
Rate design, scope, implementation (0-15)	13
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Hard Copy
Data contact person	Mary Lynch - 253-798-7250 - mlynch@co.pierce.wa.us
How often do you analyze, summarize, compile raw data?	Annually
Report/publish data?	Annually
Analyzed/summarized data made available?	Hard Copy
Rely on data from others?	No
Data readily available on maps?	Partial
Data exist as GIS coverage?	
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Snohomish County Public Works, Surface Water Management Division**
Database	**Vegetation Monitoring**
Database acronym	
Contact	Scott Moore - 425-388-6455 - s.moore@co.snohomish.wa.us
Overview of the monitoring program	The Native Plant Program runs a Vegetation Monitoring program which relies heavily on trained plant steward volunteer participation to 1) assess survival, vigor, and cover of native plantings associated with county sponsored riparian and wetland restoration projects; 2) acquire baseline information of reference sites; and 3) analyze effectiveness of biocontrols on noxious weeds.
Audience/customer/user	Regional project managers and habitat restoration technicians conducting on the ground restoration projects.
Objectives	Establish a common set of protocols for post project vegetation monitoring to be used by several agencies, habitat enhancement groups, and landowners in order to compare efforts, methods, and effectiveness of different restoration practices on a range of sites.
Authority	Other
Relates to watershed health and salmon recovery	Indirectly Supports
Program ongoing?	Yes
Type of monitoring	Status Monitoring; Effectiveness
Primary geographic focus	Salmon Recovery Regions, ESUs; Select Reaches; Select WRIAs
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Seasonally
Number of years data collected	1 to 5
Data content	Exotic Species; Landscape Activities - restoration projects; Riparian Habitat; Upland Habitat; Wetlands
Other data	
Rate data quality/condition (0-18)	13
Rate design, scope, implementation (0-15)	13
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email; Hard Copy
Data contact person	Scott Moore - 425-388-6455 - s.moore@co.snohomish.wa.us
How often do you analyze, summarize, compile raw data?	As Needed; Annually; As Resources Permit; Varies
Report/publish data?	As Needed; As Resources Permit; Varies
Analyzed/summarized data made available?	Email
Rely on data from others?	Yes
Data readily available on maps?	Partial
Data exist as GIS coverage?	No
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Snohomish County Surface Water Management**
Database	**Project evaluation**
Database acronym	
Contact	Kathy Thornburgh - 425-388-3464 ex 4542 - k.thornburgh@co.snohomish.wa.us
Overview of the monitoring program	The program involves monitoring selected Snohomish County Surface Water Management capital and habitat restoration projects for effectiveness. Criteria for choosing projects are: large or costly projects, projects on big rivers, experimental designs, projects with a high risk of failure or negative impacts if they fail, or projects with high visibility or community involvement. Projects monitored include culvert replacements for fish passage, stream channel restoration, and large wood placement. Protocols are under development.
Audience/customer/user	The audience is County staff who are involved with capital and restoration projects - this includes engineers and watershed stewards.
Objectives	To evaluate whether capital and habitat restoration projects are meeting project-specific goals and to use the results to influence the design of future projects.
Authority	
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Effectiveness
Primary geographic focus	Select WRIAs
Geospatially referenced?	Partially
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Episodic
Number of years data collected	1 to 5
Data content	Instream Habitat; Riparian Habitat; Salmonid Passage; Waterway and Channel Modification
Other data	
Rate data quality/condition (0-18)	12
Rate design, scope, implementation (0-15)	
Charge money for the data?	
Data sensitive or proprietary?	No
Raw data made available?	Email
Data contact person	Kathy Thornburgh - 425-388-3464 ex 4542 - k.thornburgh@co.snohomish.wa.us
How often do you analyze, summarize, compile raw data?	Varies
Report/publish data?	Varies
Analyzed/summarized data made available?	Email
Rely on data from others?	No
Data readily available on maps?	No
Data exist as GIS coverage?	No
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Snohomish County Surface Water Management**
Database	**Water Quality Ambient Monitoring**
Database acronym	
Contact	Kathy Thornburgh - 425-388-3464 ex 4542 - k.thornburgh@co.snohomish.wa.us
Overview of the monitoring program	The County conducts monthly water quality monitoring at 29 sites on 20 streams and rivers within Snohomish County. Samples are analyzed for temperature, dissolved oxygen, pH, conductivity, turbidity, fecal coliform bacteria, total suspended solids, nitrate, phosphorus, copper, lead, and zinc. The program assesses the biological health of streams by sampling benthic invertebrates. Staff deploy continuously recording temperature loggers during the summer to identify good habitat for fish.
Audience/customer/user	The data are primarily designed for use by the County to establish baseline conditions and identify trends. The data are available on the County web site and are used by citizens, consultants, tribes, cities, counties, and state agencies.
Objectives	The program is designed to establish baseline conditions for Snohomish County surface waters, to identify long-term trends in water quality, to identify problem areas for nonpoint pollutants, and to correlate nonpoint pollution with land use. The County uses the results to determine which educational programs and BMPs will most effectively reduce nonpoint pollution to surface waters.
Authority	RCW/WAC
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Status Monitoring
Primary geographic focus	Administrative Boundaries; Select Watersheds
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Monthly
Number of years data collected	More than 5
Data content	Freshwater Surface Water Quality; Biological – other
Other data	
Rate data quality/condition (0-18)	15
Rate design, scope, implementation (0-15)	
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Web Downloadable www.co.snohomish.wa.us\publicwk\swm\spw_swhydro
Data contact person	Kathy Thornburgh - 425-388-3464 ex 4542 - k.thornburgh@co.snohomish.wa.us
How often do you analyze, summarize, compile raw data?	As Resources Permit
Report/publish data?	As Resources Permit
Analyzed/summarized data made available?	Web Downloadable www.co.snohomish.wa.us
Rely on data from others?	No
Data readily available on maps?	Partial
Data exist as GIS coverage?	Yes
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Thurston County**
Database	**Surface Water Quality**
Database acronym	
Contact	Mark J. Swartout - 360-709-3079 - swartom@co.thurston.wa.us
Overview of the monitoring program	Thurston County monitors surface water quality. Other monitoring activities are usually a requirement of grants and as such the information is provided back to the granting agency. Information gathered from projects may also be incorporated into the county databases (GIS) depending on the project.
Audience/customer/user	The results of the Water Quality monitoring are available to county and city staff and the public. State agencies that receive the project information should make it available to the general public. If information is incorporated into the county database it is used by county employees and the public.
Objectives	The objectives for water quality monitoring is for baseline information and to help identify trends in various water quality parameters. For grant funded projects the objectives of the monitoring program would most likely be outline in the grant contract.
Authority	
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Coarse Inventory; Status Monitoring; Effectiveness
Primary geographic focus	Administrative Boundaries; Select Reaches; Select WRIAs
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Varies
Number of years data collected	Varies
Data content	Freshwater Surface Water Quality; Ground Water Quality/Quantity; Hydrology
Other data	
Rate data quality/condition (0-18)	5
Rate design, scope, implementation (0-15)	3
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Hard Copy
Data contact person	Sue Davis - 360-754-4111 - davies@co.thurston.wa.us
How often do you analyze, summarize, compile raw data?	Varies
Report/publish data?	Varies
Analyzed/summarized data made available?	Hard Copy
Rely on data from others?	No
Data readily available on maps?	Unknown
Data exist as GIS coverage?	Unknown
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Thurston County Environmental Health Division**
Database	**Surface water quality ambient monitoring program**
Database acronym	
Contact	Sue Davis - 360-754-4111 - daviss@co.thurston.wa.us
Overview of the monitoring program	The purpose of the ambient monitoring program is to collect and analyze water quality data on streams and lakes within Thurston County. It is to aid in the management of water resources within the County for beneficial uses such as recreation, shellfish and fish harvest, drinking water, etc. There is a locally funded base program which is augmented by short-term grant-funded project. The amount of data collected any given year varies spatial and temporally depending on resources available and current water resource issues, such as shellfish downgrades, fish kills, etc.
Audience/customer/user	The ambient water quality monitoring data generated by the program is used by local government water resource decision makers for policy, program and individual permit decisions; state and federal agencies; consultants; and the public.
Objectives	The program objectives are to determine water quality conditions in surface water bodies and to track the long trends in water quality in those water bodies. When grant-funded projects are undertaken, the objectives are typically to identify and correct sources of nonpoint pollution.
Authority	CFR; RCW 90.70; Puget Sound Water Quality Management Plan
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Status Monitoring; Effectiveness
Primary geographic focus	Select Reaches; Select Watersheds; Select WRIAs
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Puget Sound; Washington Coast
Frequency of sample collection	Varies
Number of years data collected	More than 5
Data content	Freshwater Surface Water Quality; Biological – other
Other data	
Rate data quality/condition (0-18)	12
Rate design, scope, implementation (0-15)	8
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email; Hard Copy; Web Viewable co.thurston.wa.us
Data contact person	Sue Davis - 360-754-4111 - daviss@co.thurston.wa.us
How often do you analyze, summarize, compile raw data?	Annually
Report/publish data?	Annually; Varies
Analyzed/summarized data made available?	Email; Hard Copy
Rely on data from others?	No
Data readily available on maps?	No
Data exist as GIS coverage?	No
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Thurston County Water and Waste Management**
Database	**Thurston County Basin Monitoring Program**
Database acronym	TCBM
Contact	Mark Biever - 360-754-4681 - bieverm@co.thurston.wa.us
Overview of the monitoring program	The program focuses on precipitation and stream flow volume monitoring within several defined basins in Thurston County. The program gathers data for watershed modeling and overall transport of water within the basins. The program also contains elements of groundwater monitoring for specific identified basins.
Audience/customer/user	The data is shared with interlocal partners consisting of Tumwater, Olympia, and Lacey. Data is also shared with state agencies and members of the public who request it.
Objectives	The program objectives are to collect and maintain data for the purpose of gauging watershed health as it pertains to development and use. The program has recently also become interested in Puget Sound water quality and salmon health. The groundwater component of the program is chiefly concerned with public safety.
Authority	RCW/WAC; Internal; Other
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Status Monitoring
Primary geographic focus	Administrative Boundaries; Salmon Recovery Regions, ESUs; Select Reaches; Select WRIAs
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Continuous
Number of years data collected	Varies
Data content	Geologic; Ground Water Quality/Quantity; Hydrology
Other data	
Rate data quality/condition (0-18)	11
Rate design, scope, implementation (0-15)	9
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email; Web Requested
Data contact person	Mark Biever - 360-754-4681 - bieverm@co.thurston.wa.us
How often do you analyze, summarize, compile raw data?	Annually; Monthly; Varies
Report/publish data?	As Needed; Annually; Monthly
Analyzed/summarized data made available?	Email; Web Viewable
Rely on data from others?	No
Data readily available on maps?	Partial
Data exist as GIS coverage?	Yes
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**City of Arlington**
Database	**Portage Creek Sub-basin Water Quality**
Database acronym	
Contact	Bill Blake - 360-403-3440 - bblake@ci. Arlington.wa.us
Overview of the monitoring program	Installation of two in-situ Hydrolab Quanta water quality meters. The #1 meter will be installed on main Portage Creek, with the second installation on Prairie Creek a tributary to Portage. These meters will monitor Discharge, DO, Temp, Conductivity. The data will be collected every 15 minutes and stored in the computer. This information will be available on the City Web page when the system is completed. The Stillaguamish Tribe Natural Resource Water Quality lab is helping install and calibrate the system. This system will help monitor the effectiveness of Riparian, stormwater and water quality projects over time.
Audience/customer/user	There are two specific audiences. The main target will be to use this data to educate the citizens and agencies about the conditions of the watershed. The second audience will be Water Quality managers from various disciplines. This information will help everybody understand daily fluctuations and impacts resulting from various events or development activities. We will be able to identify the periods of the year when stream flow is predominately surface flow or ground water.
Objectives	Education and monitoring.
Authority	ESA
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	No
Type of monitoring	Status Monitoring
Primary geographic focus	Select Watersheds
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Continuous
Number of years data collected	Less Than 1
Data content	Freshwater Surface Water Quality
Other data	
Rate data quality/condition (0-18)	9
Rate design, scope, implementation (0-15)	9
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Web Viewable
Data contact person	Bill Blake - 360-403-3440 - bblake@ci. Arlington.wa.us
How often do you analyze, summarize, compile raw data?	As Permitted
Report/publish data?	As Permitted
Analyzed/summarized data made available?	Web Viewable
Rely on data from others?	No
Data readily available on maps?	No
Data exist as GIS coverage?	No
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**City of Auburn**
Database	**Water Quality Data**
Database acronym	
Contact	Aaron C. Nix - 253-288-7432 - anix@ci.auburn.wa.us
Overview of the monitoring program	Monitor the quality of the city's water resources (i.e. stormwater, drinking water)
Audience/customer/user	City personnel and water customers
Objectives	
Authority	RCW/WAC
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	No
Type of monitoring	Status Monitoring
Primary geographic focus	Select Watersheds
Geospatially referenced?	Partially
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Varies
Number of years data collected	1 to 5
Data content	Freshwater Surface Water Quality; Ground Water Quality/Quantity
Other data	
Rate data quality/condition (0-18)	7
Rate design, scope, implementation (0-15)	5
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Hard Copy
Data contact person	Chris Thorn - 253-804-5065 - cthorn@ci.auburn.wa.us
How often do you analyze, summarize, compile raw data?	As Needed
Report/publish data?	Annually
Analyzed/summarized data made available?	Hard Copy
Rely on data from others?	Yes
Data readily available on maps?	No
Data exist as GIS coverage?	Yes
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**City of Bremerton**
Database	**Water Resources Monitoring**
Database acronym	
Contact	Daniel Adams - 360-478-2347 - dadams@ci.bremerton.wa.us
Overview of the monitoring program	The purpose of the Bremerton Water Resource Monitoring Program is compliance with regulations related to water system management/operations, biosolids application and combined sewer overflow monitoring. Data are collected on the Port Washington Narrows, Anderson Creek, Gorst Creek and Union River.
Audience/customer/user	Regulatory agencies are the primary audience for City of Bremerton monitoring programs. Other interested parties include internal clients and the Puget Soundkeepers Alliance (PSA)..
Objectives	Monitoring goals include compliance with State and Federal regulations, compliance with consent decree and water system management/operation. Additional objectives are the generation of data necessary for planning, watershed management and discharge monitoring.
Authority	CFR; Court; RCW/WAC
Relates to watershed health and salmon recovery	Indirectly Supports
Program ongoing?	Yes
Type of monitoring	Operational; Status Monitoring
Primary geographic focus	Select Reaches; Select Watersheds
Geospatially referenced?	Partially
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Varies
Number of years data collected	More than 5
Data content	Climate and Ocean Condition; Freshwater Surface Water Quality; Ground Water Quality/Quantity; Hydrology; Marine/Estuarine Water Quality; Nearshore
Other data	
Rate data quality/condition (0-18)	14
Rate design, scope, implementation (0-15)	12
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Hard Copy
Data contact person	Kathleen Cahal - 360-478-2315 - kcahall@ci.bremerton.wa.us
How often do you analyze, summarize, compile raw data?	Varies
Report/publish data?	Varies
Analyzed/summarized data made available?	Hard Copy
Rely on data from others?	Yes
Data readily available on maps?	No
Data exist as GIS coverage?	No
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**City of Clyde Hill**
Database	**Lake Monitoring Program**
Database acronym	
Contact	Mitch Wasserman - 425-453-7800 - Mitch@clydehill.org
Overview of the monitoring program	Periodically monitor the inflow and outflow from the 2 lakes in the City. We test for water quality.
Audience/customer/user	We do this as part of our storm water management plan and it is therefore used internally and is periodically requested by the homeowners living around the lakes.
Objectives	To insure that the water quality of the City's storm water entering the lakes are within accepted limits.
Authority	Other
Relates to watershed health and salmon recovery	Indirectly Supports
Program ongoing?	Yes
Type of monitoring	Operational
Primary geographic focus	Other
Geospatially referenced?	No
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Alternating Yrs
Number of years data collected	1 to 5
Data content	Hydrology
Other data	
Rate data quality/condition (0-18)	13
Rate design, scope, implementation (0-15)	13
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Not Available
Data contact person	Allan Newbill, City Engineer - 425-453-7800 – Allan@clydehill.org
How often do you analyze, summarize, compile raw data?	Never
Report/publish data?	Never
Analyzed/summarized data made available?	Hard Copy
Rely on data from others?	No
Data readily available on maps?	No
Data exist as GIS coverage?	No
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**City of Issaquah**
Database	**Issaquah Aquatic Resource Monitoring Program**
Database acronym	
Contact	Chrys Bertolotto - 425-837-3442 - chrysb@ci.issaquah.wa.us
Overview of the monitoring program	The Aquatic Resource Monitoring Program was implemented in 1998 (based in part on the Issaquah Basin Plan Recommendation BW-30) as a long-term effort to assess aquatic resources within the city and evaluate the success of implementation efforts for flood control, water quality and habitat improvements. It involves volunteers and staff.
Audience/customer/user	Data is used by city staff for decision making and policy purposes, to assess effectiveness of education/BMP efforts, retrofits and development regulations. It is used to communicate state of our waters to city elected officials. It has been used to help determine the limiting factors for salmonids in the Issaquah Basin in the WRIA 8 Technical Reconnaissance effort.
Objectives	Determine baseline conditions and track changes over time of water quality in the creeks and storm discharges in the City. Monitor surface water elevations in Issaquah Creek during annual peak events. Monitor stream flows at several stations to better define interactions between surface and groundwater in mainstem Issaquah Creek. Assess the biological components of the creeks and track changes over time. Examine the changes in stream cross sectional areas to assess stream channel migration and changes caused by increasing urbanization. Involve citizens and community groups in monitoring to assist in data collecting and educating the citizenry about resource and water quality issues.
Authority	Issaquah Basin Plan Recommendation and local response to increased growth.
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Status Monitoring; Effectiveness
Primary geographic focus	Administrative Boundaries
Geospatially referenced?	Partially
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Varies
Number of years data collected	1 to 5
Data content	Biological - other; Exotic Species; Freshwater Surface Water Quality; Hydrology; Instream Habitat; Riparian Habitat; Waterway and Channel Modification; Wetlands
Other data	
Rate data quality/condition (0-18)	15
Rate design, scope, implementation (0-15)	15
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Hard Copy; Web Requested
Data contact person	Chrys Bertolotto - 425-837-3442 - chrysb@ci.issaquah.wa.us
How often do you analyze, summarize, compile raw data?	Annually; Varies
Report/publish data?	Every 2 Yrs
Analyzed/summarized data made available?	Hard Copy; Web Viewable www.ci.issaquah.wa.us/rco/soow/htm
Rely on data from others?	No
Data readily available on maps?	No
Data exist as GIS coverage?	No
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**City of Lacey**
Database	**Woodland Creek Ambient Monitoring**
Database acronym	
Contact	Julie Rector - 360-491-5600 - jrector@ci.lacey.wa.us
Overview of the monitoring program	Monthly monitoring for flow, temp, pH, DO, cond., turbidity, FC, nitrate nitrite-N. One site at Draham Rd monitored year-round; other sites added bimonthly when creek has flow.
Audience/customer/user	City of Lacey
Objectives	Document ambient water quality conditions in Woodland Creek within city of Lacey boundaries. Data are intended to complement ambient monitoring conducted by Thurston County staff near the mouth of Woodland Creek.
Authority	Other
Relates to watershed health and salmon recovery	Indirectly Supports
Program ongoing?	Yes
Type of monitoring	Status Monitoring
Primary geographic focus	Select Reaches
Geospatially referenced?	No
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Monthly
Number of years data collected	1 to 5
Data content	Freshwater Surface Water Quality
Other data	
Rate data quality/condition (0-18)	10
Rate design, scope, implementation (0-15)	9
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email; Hard Copy
Data contact person	Julie Rector - 360-491-5600 - jrector@ci.lacey.wa.us
How often do you analyze, summarize, compile raw data?	Monthly
Report/publish data?	As Needed
Analyzed/summarized data made available?	As Available
Rely on data from others?	No
Data readily available on maps?	No
Data exist as GIS coverage?	No
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**City of Lake Forest Park**
Database	**StreamKeepers Stream Monitoring**
Database acronym	
Contact	Roger Olstad - 206-364-3598 - rolstad@earthlink.net
Overview of the monitoring program	Quarterly monitoring of two streams (McAleer and Lyon) and their tributaries for basic physical conditions, e.g. temp., pH, d.o., turbidity, etc.
Audience/customer/user	City officials, interested public, etc.
Objectives	To observe and protect the health of the streams in LFP and build public awareness of these streams and the importance of stream conditions to salmon and other fish habitat.
Authority	Other
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Status Monitoring; Effectiveness
Primary geographic focus	Select Watersheds
Geospatially referenced?	No
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Seasonally
Number of years data collected	More than 5
Data content	Freshwater Surface Water Quality; Instream Habitat
Other data	
Rate data quality/condition (0-18)	15
Rate design, scope, implementation (0-15)	15
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email; Hard Copy
Data contact person	Bill Bennett - 206-362-6503 - jworthen@cmc.net
How often do you analyze, summarize, compile raw data?	As Needed
Report/publish data?	As Needed
Analyzed/summarized data made available?	Hard Copy
Rely on data from others?	Yes
Data readily available on maps?	No
Data exist as GIS coverage?	No
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**City of Olympia**
Database	**Surface, stormwater, ground and marine water monitoring**
Database acronym	
Contact	Andy Haub - 360-943-4796 - ahaub@ci.olympia.wa.us
Overview of the monitoring program	The City of Olympia supports several monitoring programs through utility funds. The efforts provide ambient and project specific monitoring of surface, stormwater, ground, and marine waters. Commonly monitored parameters include conventional chemicals, macroinvertibrates, flows, and priority species use.
Audience/customer/user	Monitoring information is summarized for public agency use and commonly reformatted for public use.
Objectives	The monitoring programs provide a basic understanding of chemical and biological characteristics in the various water bodies.
Authority	Internal; Local
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Coarse Inventory
Primary geographic focus	Administrative Boundaries
Geospatially referenced?	No
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Seasonally
Number of years data collected	More than 5
Data content	Biological - other; Freshwater Surface Water Quality; Ground Water Quality/Quantity; Hydrology; Instream Habitat; Land Use
Other data	
Rate data quality/condition (0-18)	10
Rate design, scope, implementation (0-15)	6
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Hard Copy
Data contact person	Andy Haub - 360-943-4796 - ahaub@ci.olympia.wa.us
How often do you analyze, summarize, compile raw data?	Annually
Report/publish data?	Annually
Analyzed/summarized data made available?	Email
Rely on data from others?	Yes
Data readily available on maps?	Partial
Data exist as GIS coverage?	Unknown
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**City of Port Townsend**
Database	**Watershed Monitoring**
Database acronym	
Contact	Ian Jablonski - 360-379-5001 - ianj@ci.port-townsend.wa.us
Overview of the monitoring program	The City of Port Townsend has an unfiltered municipal water supply. We monitor turbidity, water temperature, stream flow, organic and inorganic chemicals required by the EPA drinking water program, fecal and total coliform bacteria and patrol the watershed monitoring general conditions. City is a cooperator with USGS for stream flows and NRCS for operation of Mt. Crag SNOTEL.
Audience/customer/user	The Washington State Department of Health receives water quality monitoring data and the City is required to pass the information on to our customers via the Consumer Confidence Reports. We also share the data with groups involved in restoration efforts in the watershed.
Objectives	The primary objectives are to comply with drinking water regulations and to monitor watershed health as it relates to drinking water.
Authority	CFR; 246-290 WAC
Relates to watershed health and salmon recovery	Indirectly Supports
Program ongoing?	Yes
Type of monitoring	Operational
Primary geographic focus	Select Watersheds
Geospatially referenced?	Partially
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Varies
Number of years data collected	More than 5
Data content	Freshwater Surface Water Quality; Hydrology
Other data	
Rate data quality/condition (0-18)	10
Rate design, scope, implementation (0-15)	10
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email
Data contact person	Ian Jablonski - 360-379-5001 - ianj@ci.port-townsend.wa.us
How often do you analyze, summarize, compile raw data?	As Needed; Annually; Monthly
Report/publish data?	As Needed; Monthly
Analyzed/summarized data made available?	Email
Rely on data from others?	No
Data readily available on maps?	No
Data exist as GIS coverage?	No
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**City of Redmond Public Works Natural Resources Division**
Database	**Environmental Monitoring and Compliance**
Database acronym	EMC
Contact	Daren Baysinger - 425-556-2722 - dbaysinger@ci.redmond.wa.us
Overview of the monitoring program	Focus of monitoring includes hydrology (rainfall and flow), benthic sampling, and basic water chemistry parameters. Both baseline and project specific monitoring is conducted.
Audience/customer/user	Engineers, planners, enforcement staff, policy advisors, construction staff.
Objectives	Primary objective is to help ensure water quality is cool, clean, safe for human and animal contact, is aesthetically pleasing and of adequate quantity. To achieve these objectives our approach is to first understand baseline water quality conditions/trends and various flow conditions within larger streams, tributaries and major stormwater conveyance systems within city boundaries. Then, using this understanding, develop a more comprehensive approach to resolve identified problems (including post-project monitoring/evaluation) that may include one or more of the following disciplines. Engineers, Scientists, Education & Outreach staff, and Enforcement staff. Work may include evaluating internal policies and making revisions as necessary in order to fully achieve project/program objectives.
Authority	Other
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Coarse Inventory; Status Monitoring; Effectiveness
Primary geographic focus	Administrative Boundaries
Geospatially referenced?	
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Varies
Number of years data collected	Varies
Data content	Freshwater Surface Water Quality; Hydrology; Biological – other
Other data	
Rate data quality/condition (0-18)	10
Rate design, scope, implementation (0-15)	8
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email
Data contact person	Daren Baysinger - 425-556-2722 - dbaysinger@ci.redmond.wa.us
How often do you analyze, summarize, compile raw data?	As Resources Permit; Weekly
Report/publish data?	As Needed
Analyzed/summarized data made available?	Email
Rely on data from others?	No
Data readily available on maps?	Partial
Data exist as GIS coverage?	Yes
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**City of Shoreline**
Database	**Ambient stream wetland and lake monitoring**
Database acronym	
Contact	Andy Loch - 206-546-1925 - aloch@ci.shoreline.wa.us
Overview of the monitoring program	The program is aimed at acquiring commonly collected baseline data on the status of the chemical, physical, and biological integrity of our surface waters within the city of Shoreline. The program is currently in its first year of operations.
Audience/customer/user	It is anticipated that the data will be used by a wide range of people. The primary target audiences are city and state staff and programs. At the city level the data will assist in prioritizing restoration efforts and provide a means to measure changes to the aquatic ecosystems. The data will be forwarded on to state 303d listing for eligible streams. Other users will be citizen groups interested in monitoring and caring for their watersheds, adjacent jurisdictions that share watershed areas with the city, and by posterity.
Objectives	The main objective is to provide a measure of compliance to Federal Clean Water Act and Washington State's Water Quality Standards. Secondary objectives include prioritization of restoration efforts, ability to identify longterm trends, an assessment tool to check on the general health of city's surface waters, and detection of chronic point and non-point sources of pollution.
Authority	90.48 RCW and 173-201A WAC; City of Shoreline Chapter 20.60.120; Prohibits discharges of contaminants to surface and ground waters of the city
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Status Monitoring
Primary geographic focus	Select Watersheds
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Continuous
Number of years data collected	Less Than 1
Data content	Biological - other; Freshwater Surface Water Quality; Instream Habitat; Land Use; Riparian Habitat; Waterway and Channel Modification
Other data	
Rate data quality/condition (0-18)	13
Rate design, scope, implementation (0-15)	9
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email; Hard Copy; Web Requested
Data contact person	Andy Loch - 206-546-1925 - aloch@ci.shoreline.wa.us
How often do you analyze, summarize, compile raw data?	As Needed; Monthly
Report/publish data?	Annually; Every 2 Yrs
Analyzed/summarized data made available?	Email; Web Requested
Rely on data from others?	No
Data readily available on maps?	No
Data exist as GIS coverage?	Unknown
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**City of University Place**
Database	**Benthic Index of Biotic Integrity**
Database acronym	BIBI
Contact	Kevin Briske - 253-460-5405 - Kbriske@ci.university-place.wa
Overview of the monitoring program	This test is used to identify the health of a stream through the amount of diversity in micro-organisms. Several test sites were used on both Leach Creek and Chambers Creek. Currently the program is ran by Pierce County Water Programs.
Audience/customer/user	Mostly local jurisdictions. City of UP has used the results as a form of best available science is developing its critical areas ordinance.
Objectives	Continued monitoring of the health of local streams.
Authority	Unknown
Relates to watershed health and salmon recovery	Indirectly Supports
Program ongoing?	Yes
Type of monitoring	Status Monitoring; Effectiveness
Primary geographic focus	Select WRIAs
Geospatially referenced?	No
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Alternating Yrs
Number of years data collected	1 to 5
Data content	Biological – Marine Mammals
Other data	
Rate data quality/condition (0-18)	16
Rate design, scope, implementation (0-15)	13
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email; Hard Copy
Data contact person	Bob Dieckman PC Water Programs - 253-798-4139
How often do you analyze, summarize, compile raw data?	Annually
Report/publish data?	Annually
Analyzed/summarized data made available?	Email; Hard Copy
Rely on data from others?	No
Data readily available on maps?	No
Data exist as GIS coverage?	No
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Nisqually Indian Tribe**
Database	**Nisqually Natural Resources Department**
Database acronym	
Contact	Jeanette Dorner - 360-438-8687 - jdorner@nwifc.wa.gov
Overview of the monitoring program	The Nisqually Indian Tribe Natural resources program focuses on implementation of US v. Washington and associated court orders and management plans. These activities include data collection on salmon harvest, escapement, habitat variables, restoration projects, and the relationship of salmon survival to all of these elements. We have both professional staff and supervised volunteers that collect this data.
Audience/customer/user	We have a target audience of fisheries professionals as well as the general public within our watershed community. We present our findings at various gatherings of fisheries scientists throughout the region and have given presentations to other watershed groups. We also regularly present findings to the Nisqually River Council and its companion Citizen Advisory Committee which represent the general community. This results are also critical to self evaluation of the success of our program and our adaptive management process.
Objectives	The objective of our monitoring program is to conduct implementation, effectiveness, and validation monitoring to evaluate our progress in implementing the Nisqually Salmon Recovery Plan and to guide our decision making for future implementation. The results will be reported annually through a well-defined, rigorous adaptive management program.
Authority	Court; Other; RCW/WAC; Tribal; 2496; Treaty of Medicine Creek; Puget Sound Salmon Management Plan; Nisqually River Fall Chinook Recovery Plan
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Operational; Status Monitoring; Effectiveness
Primary geographic focus	Select Watersheds; Select WRIAs
Geospatially referenced?	Partially
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Varies
Number of years data collected	Varies
Data content	Biological - other; Freshwater Surface Water Quality; Ground Water Quality/Quantity; Harvest; Hatchery - disease, genetics; Hatchery - fish release, capture; Hydrology; Hydropower; Instream Habitat; Landscape Activities - restoration projects; Landscape/features inventory; Marine/Estuarine Water Quality; Nearshore; Riparian Habitat; Salmonid Passage; Salmonid Productivity
Other data	
Rate data quality/condition (0-18)	6
Rate design, scope, implementation (0-15)	8
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email
Data contact person	Jeanette Dorner - 360-438-8687 - jdorner@nwifc.wa.gov
How often do you analyze, summarize, compile raw data?	Annually; Daily; Monthly; Varies; Weekly
Report/publish data?	Annually
Analyzed/summarized data made available?	Email; Web Downloadable www.nisquallyriver.org
Rely on data from others?	Yes
Data readily available on maps?	Partial
Data exist as GIS coverage?	Yes
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Stillaguamish Tribe of Indians**
Database	**Stillaguamish Tribal Water Quality Monitoring Program**
Database acronym	
Contact	Don Klopfer - 360-435-2755 ext 28 - dklopfer@premier1.net
Overview of the monitoring program	The Stillaguamish Watershed encompasses about 650 square miles and is located in both Skagit and Snohomish Counties of Washington State. Stillaguamish Tribal Trust lands and U&A areas are located in this region and also include portions of marine waters in Island county. Contamination of surface and groundwater resources from point and non-point sources are an increasing threat to Tribal economic and cultural life. Objectives of this plan are to create a baseline of data that can be used in predicting trends in water quality conditions and monitoring for restoration effectiveness.
Audience/customer/user	Stillaguamish Tribal Managers; EPA; Ecology; Wash. Dept of Health; Sno. Co. Surface Water Management; CORPS; USFS; Dept of the Navy (Jim Creek); Local Citizens and others
Objectives	Water quality trend analysis
Authority	EPA Grant
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Coarse Inventory; Status Monitoring; Effectiveness
Primary geographic focus	Select WRIAs
Geospatially referenced?	Partially
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Monthly
Number of years data collected	More than 5
Data content	Freshwater Surface Water Quality; Marine/Estuarine Water Quality
Other data	
Rate data quality/condition (0-18)	14
Rate design, scope, implementation (0-15)	11
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email; Hard Copy
Data contact person	John Drotts - 360-435-2755 ext 26 - jdrotts@premier1.net
How often do you analyze, summarize, compile raw data?	As Needed; Annually; Monthly; Varies; Weekly
Report/publish data?	As Needed; Annually
Analyzed/summarized data made available?	Email; Hard Copy
Rely on data from others?	No
Data readily available on maps?	Partial
Data exist as GIS coverage?	Yes
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Jefferson Conservation District**
Database	**Water Quality Screening**
Database acronym	
Contact	Glenn Gately - 360-385-4105 - glenn-gately@wa.nacdnet.org
Overview of the monitoring program	We monitor several water quality parameters as well as relative juvenile salmon abundance in order to evaluate salmon habitat restoration projects and other related programs (e.g., Dairy Waste Management Plans and CREP) as well as to track long-term trends at established monitoring stations in eastern Jefferson County streams.
Audience/customer/user	Specifically, our audience are the local landowners, dairy farmers and beef raisers, volunteer organizations, tribes, and agencies involved with salmon restoration in eastern Jefferson County. However, we make our data available to anyone whom it will benefit and who requests it. All our reports are sent to the state Conservation Commission.
Objectives	To evaluate salmon habitat restoration projects and other related programs as well as to track long-term trends at established monitoring stations.
Authority	Internal
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Status Monitoring; Effectiveness
Primary geographic focus	Administrative Boundaries; Select Reaches; Select Watersheds
Geospatially referenced?	No
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Varies
Number of years data collected	More than 5
Data content	Freshwater Surface Water Quality; Hydrology; Landscape Activities - restoration projects; Salmonid Productivity
Other data	
Rate data quality/condition (0-18)	13
Rate design, scope, implementation (0-15)	10
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email; Hard Copy
Data contact person	Glenn Gately - 360-385-4105 - glenn-gately@wa.nacdnet.org
How often do you analyze, summarize, compile raw data?	Every 2 Yrs
Report/publish data?	Every 2 Yrs
Analyzed/summarized data made available?	Hard Copy
Rely on data from others?	No
Data readily available on maps?	No
Data exist as GIS coverage?	No
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**San Juan County Conservation District**
Database	**San Juan County Surface Water Quality Monitoring Program**
Database acronym	SJWQMP
Contact	William S. Hamilton - 360-378-6621 - bhamilton@rockisland.com
Overview of the monitoring program	This is new project intended to conduct ambient surface water quality monitoring in key watersheds throughout San Juan County. THE PROJECT IS JUST NOW BEING IMPLEMENTED, SO NO MONITORING HAS YET BEEN CONDUCTED AND, THEREFORE, NO RESULTS ARE AVAILABLE. References to frequency of monitoring are PLANNED frequency. Concerning question 11 below: monitoring WILL BE ongoing. Questions 20 & 21 reference ANTICIPATED results.
Audience/customer/user	San Juan County Health Department, San Juan County Conservation District, and residents of San Juan County generally.
Objectives	Conduct ambient water quality monitoring to identify water quality baselines and to identify trends that may suggest developing problems or threats to water quality. The program has an early warning focus.
Authority	Other
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	
Type of monitoring	Status Monitoring
Primary geographic focus	Select Watersheds
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Monthly
Number of years data collected	Less Than 1
Data content	Freshwater Surface Water Quality; Hydrology
Other data	
Rate data quality/condition (0-18)	13
Rate design, scope, implementation (0-15)	14
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Hard Copy; Web Viewable – Planned for future implementation
Data contact person	Lori Larking - 360-378-6621 - llarkin@rockisland.com
How often do you analyze, summarize, compile raw data?	Monthly
Report/publish data?	Annually
Analyzed/summarized data made available?	Email; Web Viewable - Will be available on the web once monitoring begins
Rely on data from others?	No
Data readily available on maps?	No
Data exist as GIS coverage?	No
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Hood Canal Coordinating Council**
Database	**Habitat Work Schedule**
Database acronym	HWS
Contact	Richard Brocksmith - 360-765-3021 - richardbrocksmith@earthlink.net
Overview of the monitoring program	Lead entities are mandated to maintain an HWS for their regions. In this case, HCCC covers all tributaries entering the Hood Canal and the Eastern Strait of Juan de Fuca. The HWS monitors all SRFB funded projects for responsible party, location of project, species affected, and estimated time and duration of the proposed restoration and/or conservation action.
Audience/customer/user	The HWS is used mainly by the lead entity to follow restoration progress, but is also available to all interested parties.
Objectives	The main objective of this effort is for implementation monitoring. The second objective of this effort is to provide a comprehensive list of SRFB-funded actions undertaken by watershed towards the end goal of salmon habitat restoration and conservation.
Authority	RCW/WAC
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Other; Status Monitoring
Primary geographic focus	Salmon Recovery Regions, ESUs; Select Reaches; Select Watersheds; Select WRIAs
Geospatially referenced?	Partially
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Annually
Number of years data collected	1 to 5
Data content	Landscape Activities – restoration projects; Other
Other data	Restoration and Conservation Actions
Rate data quality/condition (0-18)	16
Rate design, scope, implementation (0-15)	13
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Email
Data contact person	Richard Brocksmith - 360-765-3021 - richardbrocksmith@earthlink.net
How often do you analyze, summarize, compile raw data?	Annually
Report/publish data?	As Needed
Analyzed/summarized data made available?	Email
Rely on data from others?	Yes
Data readily available on maps?	Partial
Data exist as GIS coverage?	No
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Skagit Watershed Council**
Database	**Skagit Watershed Council Monitoring Program**
Database acronym	
Contact	Ben Perkowski - 360-419-9326 - skagitws@sos.net
Overview of the monitoring program	The Council is currently developing an overall monitoring program designed to provide a systematic, standardized program for collecting, storing and distributing implementation monitoring results for restoration and protection projects in the Skagit and Samish River basins, as well as a strategy for effectiveness monitoring for restoration and protection activities in the basin that links with other state and regional efforts. This program is not currently active. We are focusing on developing a framework for this program as well as recommended protocols for baseline and implementation monitoring and a system for data collection and storage at the Council level. The overall framework will include development of a strategy for effectiveness monitoring. We expect this development to occur in coordination with the state and possibly other efforts.
Audience/customer/user	This will be refined as we develop our program, but the immediate audience and users will be Council member organizations, which include the co-managers, Skagit County, Skagit Fisheries enhancement Group, the U.S Forest Service, and other agencies and organizations involved in restoration and protection activities in the basin.
Objectives	We will have more concrete objectives as the program develops. In addition to goals listed above, we plan to incorporate relevant existing data from member organizations that have been collecting monitoring data in the basin such as fish and habitat surveys at already completed restoration projects. These data have not yet been collected/stored at the Council.
Authority	Other
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	No
Type of monitoring	
Primary geographic focus	Select WRIAs
Geospatially referenced?	Unknown
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Varies
Number of years data collected	Varies
Data content	Other
Other data	This question and those below are not relevant at this time since our program is not underway at this time.
Rate data quality/condition (0-18)	
Rate design, scope, implementation (0-15)	
Charge money for the data?	
Data sensitive or proprietary?	
Raw data made available?	
Data contact person	Ben Perkowski - 360-419-9326 - skagitws@sos.net
How often do you analyze, summarize, compile raw data?	
Report/publish data?	
Analyzed/summarized data made available?	
Rely on data from others?	
Data readily available on maps?	
Data exist as GIS coverage?	
Type of funding	

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Streamkeepers of Clallam County**
Database	**Streamkeepers Ambient Monitoring Program**
Database acronym	
Contact	Ed Chadd - 360-417-2281 - streamkeepers@co.clallam.wa.us
Overview of the monitoring program	Streamkeepers, a citizen-based watershed monitoring program of Clallam County's Department of Community Development, provides volunteer opportunities and project assistance in the effort to protect and restore salmon habitat. Streamkeepers is: a volunteer opportunity for all Clallam County residents interested in monitoring, protecting, and restoring streams in our own watersheds; a service provider for watershed planning groups and habitat restoration project sponsors who need monitoring assistance on local streams. Our stream teams perform quarterly ambient monitoring at established sites on Clallam County streams. We also conduct special projects at the request of other agencies and private parties, customizing our methods to meet their needs. Streamkeepers trains volunteers to assess a variety of biological, physical, and chemical stream health indicators through a structured quarterly monitoring program.
Audience/customer/user	Our regular ambient monitoring data is meant to be provided to local natural resource planners, government agencies, elected officials, program volunteers, and the general public. Our special projects are intended primarily for the project sponsor's use, but those data sets are also available to the other constituencies mentioned above.
Objectives	1. Provide useful, credible data to local natural resource planners acting to protect and restore streams, relating to: --describing current conditions; --screening for potential problems; --identifying trends in watershed conditions; --tracking known problem areas; --supporting watershed planning and management efforts; --helping to prioritize planned efforts at stream restoration; --monitoring the effectiveness of stream restoration projects. 2. Report the information collected on a regular and timely basis. 3. Perform small-scale restoration projects on local streams. 4. Facilitate public involvement in stream monitoring and watershed stewardship.
Authority	
Relates to watershed health and salmon recovery	Indirectly Supports
Program ongoing?	Yes
Type of monitoring	Coarse Inventory; Status Monitoring; Effectiveness
Primary geographic focus	Administrative Boundaries; Select WRIAs
Geospatially referenced?	Yes
Salmon Recovery Region(s)	Puget Sound; Washington Coast
Frequency of sample collection	Seasonally
Number of years data collected	1 to 5
Data content	Biological - other; Exotic Species; Freshwater Surface Water Quality; Hydrology; Instream Habitat; Riparian Habitat; Waterway and Channel Modification
Other data	
Rate data quality/condition (0-18)	15
Rate design, scope, implementation (0-15)	12
Charge money for the data?	Sometimes
Data sensitive or proprietary?	No
Raw data made available?	Email
Data contact person	Ed Chadd - 360-417-2281 - streamkeepers@co.clallam.wa.us
How often do you analyze, summarize, compile raw data?	Annually; As Needed; As Resources Permit; Varies
Report/publish data?	Annually; As Needed; As Resources Permit; Varies
Analyzed/summarized data made available?	Hard Copy; Web Viewable http://www.clallam.net/dcd/html/body_dcd_streamkeepers.htm

Rely on data from others?	No
Data readily available on maps?	No
Data exist as GIS coverage?	No
Type of funding	Ongoing

The following tables were not part of the original IAC document. Many of the following programs do not have associated databases. The program managers will provide data upon request.

SURVEY QUESTIONS	**SURVEY ANSWERS**
Organization	**City of Bellingham**
Database	Excel spreadsheet
Database acronym	n/a
Contact	Peg Wendling (360)676-7689
Overview of the monitoring program	Assess the health of streams in the Bellingham City limits and surrounding area
Audience/customer/user	Stormwater utility, planners and environmental resource personnel, available to the public
Objectives	Assess the health of streams in the Bellingham City limits and surrounding area, effectiveness of BMPs
Authority	
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Status and trends, effectiveness
Primary geographic focus	Bellingham streams
Geospatially referenced?	unknown
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Monthly or bimonthly
Number of years data collected	16
Data content	Fecal coliform, dissolved oxygen, temperature, pH, flow, conductivity
Other data	
Rate data quality/condition (0-18)	n/a
Rate design, scope, implementation (0-15)	n/a
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Yes, upon request
Data contact person	Peg Wendling (360)676-7689
How often do you analyze, summarize, compile raw data?	annually
Report/publish data?	Available upon request
Analyzed/summarized data made available?	Yes, upon request
Rely on data from others?	Yes, Institute for Watershed Studies
Data readily available on maps?	unknown
Data exist as GIS coverage?	unknown
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Lummi Natural Resources**
Database	
Database acronym	
Contact	Jeremy Freimund (360)384-2212
Overview of the monitoring program	Document baseline conditions of Lummi Nation waters
Audience/customer/user	
Objectives	
Authority	
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Status and trends
Primary geographic focus	Lummi Reservation and surrounding area
Geospatially referenced?	unknown
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Monthly
Number of years data collected	13
Data content	Fecal coliform, dissolved oxygen, and temperature
Other data	Land cover survey
Rate data quality/condition (0-18)	n/a
Rate design, scope, implementation (0-15)	n/a
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	
Data contact person	Jeremy Freimund (360)384-2212
How often do you analyze, summarize, compile raw data?	
Report/publish data?	
Analyzed/summarized data made available?	
Rely on data from others?	
Data readily available on maps?	
Data exist as GIS coverage?	unknown
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**BEACH PROGRAM**
Database	Ecology's EIM database
Database acronym	
Contact	DOH Environmental Health (360)236-3380
Overview of the monitoring program	Weekly monitoring of Enterococcus at recreational beaches throughout Puget Sound and coastal areas. Some monitoring of recreational shellfish areas.
Audience/customer/user	General public
Objectives	Reduce the risk of disease from recreational use of saltwater beaches
Authority	Clean Water Act
Relates to watershed health and salmon recovery	unrelated
Program ongoing?	Yes
Type of monitoring	Status of potentially harmful bacterial levels in recreational marine waters
Primary geographic focus	Recreational beaches in Puget Sound
Geospatially referenced?	unknown
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Weekly during summer months
Number of years data collected	
Data content	Enterococcus
Other data	Sometimes e. coli, fecal coliform
Rate data quality/condition (0-18)	n/a
Rate design, scope, implementation (0-15)	n/a
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Yes, on website
Data contact person	Lynn Schneider lysc461@ecy.wa.gov
How often do you analyze, summarize, compile raw data?	Daily during summer months
Report/publish data?	On website
Analyzed/summarized data made available?	Yes, on website http://www.ecy.wa.gov/programs/eap/beach/index.html
Rely on data from others?	No
Data readily available on maps?	yes
Data exist as GIS coverage?	yes
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Skagit County Public Works**
Database	
Database acronym	
Contact	Chris Hagedorn (360)336-9400
Overview of the monitoring program	
Audience/customer/user	
Objectives	
Authority	
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	
Primary geographic focus	40 sites throughout Skagit County
Geospatially referenced?	unknown
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	semimonthly
Number of years data collected	
Data content	Fecal coliform, dissolved oxygen, temperature, pH, flow, turbidity, nutrients
Other data	
Rate data quality/condition (0-18)	n/a
Rate design, scope, implementation (0-15)	n/a
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Yes, on website
Data contact person	Chris Hagedorn (360)336-9400
How often do you analyze, summarize, compile raw data?	
Report/publish data?	
Analyzed/summarized data made available?	Annual reports on Skagit County website http://www.skagitcounty.net/Common/Asp/Default.asp?d=PublicWorksSurfaceWaterManagement&c=General&p=projects.htm
Rely on data from others?	
Data readily available on maps?	yes
Data exist as GIS coverage?	unknown
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**City of Everett Public Works**
Database	
Database acronym	
Contact	Jane Zimmerman jzimmerman@ci.everett.wa.us
Overview of the monitoring program	
Audience/customer/user	
Objectives	
Authority	
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	
Primary geographic focus	Streams, culverts and stormwater outfalls within Everett city limits
Geospatially referenced?	unknown
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	quarterly
Number of years data collected	
Data content	Fecal coliform, dissolved oxygen, temperature, flow, pH, turbidity
Other data	
Rate data quality/condition (0-18)	n/a
Rate design, scope, implementation (0-15)	n/a
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	
Data contact person	
How often do you analyze, summarize, compile raw data?	
Report/publish data?	
Analyzed/summarized data made available?	
Rely on data from others?	
Data readily available on maps?	
Data exist as GIS coverage?	unknown
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Seattle Public Utilities**
Database	
Database acronym	
Contact	Dorcas Oligario (206)733-9399
Overview of the monitoring program	
Audience/customer/user	
Objectives	
Authority	
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	
Primary geographic focus	Fauntleroy, Longfellow, Pipers, Taylor and Thornton Creeks
Geospatially referenced?	unknown
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Storm events
Number of years data collected	
Data content	Fecal coliform, copper, zinc, total suspended solids
Other data	
Rate data quality/condition (0-18)	
Rate design, scope, implementation (0-15)	
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	
Data contact person	
How often do you analyze, summarize, compile raw data?	
Report/publish data?	
Analyzed/summarized data made available?	
Rely on data from others?	
Data readily available on maps?	
Data exist as GIS coverage?	unknown
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Puyallup Tribe**
Database	
Database acronym	
Contact	Char Naylor (253)841-0382
Overview of the monitoring program	
Audience/customer/user	environmental resource personnel, available to the public
Objectives	
Authority	
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	
Primary geographic focus	12 sites on the Puyallup River and its tributaries
Geospatially referenced?	unknown
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Monthly or more
Number of years data collected	
Data content	Dissolved oxygen, temperature, flow, turbidity, pH
Other data	
Rate data quality/condition (0-18)	
Rate design, scope, implementation (0-15)	
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	
Data contact person	
How often do you analyze, summarize, compile raw data?	
Report/publish data?	
Analyzed/summarized data made available?	
Rely on data from others?	
Data readily available on maps?	
Data exist as GIS coverage?	unknown
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**City of Tacoma Public Works**
Database	
Database acronym	
Contact	Christy Strand cro@cityoftacoma.org
Overview of the monitoring program	
Audience/customer/user	
Objectives	
Authority	
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	
Primary geographic focus	Thea Foss Waterway
Geospatially referenced?	unknown
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Storm events
Number of years data collected	
Data content	Toxics, metals
Other data	
Rate data quality/condition (0-18)	
Rate design, scope, implementation (0-15)	
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	
Data contact person	
How often do you analyze, summarize, compile raw data?	
Report/publish data?	
Analyzed/summarized data made available?	
Rely on data from others?	
Data readily available on maps?	
Data exist as GIS coverage?	unknown
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Skokomish Tribe Department of Natural Resources**
Database	
Database acronym	
Contact	Lalena Amiotte (360) 877-2110
Overview of the monitoring program	Provide field support and data collection for the dissolved oxygen research being conducted by University of Washington and the Hood Canal Dissolved Oxygen Program by sampling fresh and marine waters in the Usual and Accustomed Area of the Skokomish Tribe.
Audience/customer/user	Skokomish tribal members, researchers, general public
Objectives	Provide field support and data collection for the dissolved oxygen research being conducted by University of Washington and the Hood Canal Dissolved Oxygen Program
Authority	
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Source characterization, status and trends
Primary geographic focus	23 sites on Hood Canal and tributaries in the usual and accustomed area of the Skokomish Tribe
Geospatially referenced?	unknown
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Monthly
Number of years data collected	2
Data content	Dissolved oxygen, nutrients, salinity, temperature, total suspended solids, conductivity
Other data	Flow or gauge measurements
Rate data quality/condition (0-18)	n/a
Rate design, scope, implementation (0-15)	n/a
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Available upon request
Data contact person	Lalena Amiotte (360) 877-2110
How often do you analyze, summarize, compile raw data?	annually
Report/publish data?	yes
Analyzed/summarized data made available?	Available upon request
Rely on data from others?	unknown
Data readily available on maps?	yes
Data exist as GIS coverage?	unknown
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Mason County Public Health**
Database	
Database acronym	
Contact	Amy Georgeson(360)427-9670 X544
Overview of the monitoring program	
Audience/customer/user	
Objectives	
Authority	
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	
Primary geographic focus	60 sites on Hood Canal, major streams and their tributaries
Geospatially referenced?	unknown
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	monthly
Number of years data collected	
Data content	Fecal coliform, dissolved oxygen, temperature, pH, turbidity, salinity
Other data	
Rate data quality/condition (0-18)	n/a
Rate design, scope, implementation (0-15)	n/a
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Upon request
Data contact person	Amy Georgeson (360)427-9670 X544
How often do you analyze, summarize, compile raw data?	
Report/publish data?	
Analyzed/summarized data made available?	
Rely on data from others?	
Data readily available on maps?	
Data exist as GIS coverage?	unknown
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**USGS National Water Quality Assessment Program (NAWQA)**
Database	
Database acronym	
Contact	
Overview of the monitoring program	
Audience/customer/user	
Objectives	
Authority	
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	
Primary geographic focus	
Geospatially referenced?	unknown
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	
Number of years data collected	
Data content	
Other data	
Rate data quality/condition (0-18)	
Rate design, scope, implementation (0-15)	
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	
Data contact person	
How often do you analyze, summarize, compile raw data?	
Report/publish data?	
Analyzed/summarized data made available?	
Rely on data from others?	
Data readily available on maps?	
Data exist as GIS coverage?	unknown
Type of funding	Ongoing

SURVEY QUESTIONS	SURVEY ANSWERS
Organization	**Kitsap County Public Health**

Database	
Database acronym	
Contact	Shawn Ultican 360-337-5622
Overview of the monitoring program	assessing long-term trends in parameters associated with human sewage and animal waste from nonpoint pollution sources.
Audience/customer/user	General public
Objectives	Minimize human health risks of contact recreation and shellfish harvest
Authority	
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Status and trends
Primary geographic focus	55 stream sites, 67 marine, 28 sites on 17 lakes
Geospatially referenced?	unknown
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Monthly at streams, bi-monthly at marine sites
Number of years data collected	
Data content	Fecal coliform, dissolved oxygen, temperature, pH, turbidity, salinity
Other data	e. coli at lake stations
Rate data quality/condition (0-18)	n/a
Rate design, scope, implementation (0-15)	n/a
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Upon request
Data contact person	John Kiess kiessj@health.co.kitsap.wa.us (360)337-5623.
How often do you analyze, summarize, compile raw data?	
Report/publish data?	
Analyzed/summarized data made available?	Yes, advisories are available on website. Other information available upon request
Rely on data from others?	
Data readily available on maps?	
Data exist as GIS coverage?	unknown
Type of funding	Ongoing

SURVEY QUESTIONS	**SURVEY ANSWERS**
Organization	**Kitsap County Public Works**
Database	
Database acronym	

Contact	(360) 337-5777 or (800) 825-4940
Overview of the monitoring program	
Audience/customer/user	
Objectives	
Authority	
Relates to watershed health and salmon recovery	Directly Supports
Program ongoing?	Yes
Type of monitoring	Status and trends, effectiveness
Primary geographic focus	
Geospatially referenced?	unknown
Salmon Recovery Region(s)	Puget Sound
Frequency of sample collection	Qualifying storm events
Number of years data collected	
Data content	nutrients
Other data	BIBI
Rate data quality/condition (0-18)	n/a
Rate design, scope, implementation (0-15)	n/a
Charge money for the data?	No
Data sensitive or proprietary?	No
Raw data made available?	Upon request
Data contact person	
How often do you analyze, summarize, compile raw data?	
Report/publish data?	
Analyzed/summarized data made available?	
Rely on data from others?	
Data readily available on maps?	
Data exist as GIS coverage?	unknown
Type of funding	Ongoing